

III. CIP PROGRAM SUMMARY SPREADSHEETS

Town of Herndon FY2018-FY2023 Capital Improvement Program

FY2018- FY2023 CIP SUMMARY: GENERAL FUND PROJECTS

Consecutive numbering corresponds to page numbers in Section III-CIP Project Descriptions

All figures represent dollars in thousands

	Project No.	Dept.	Project Title	Estimated	Budget							Est. Total Cost
				Reserves	Year							
					FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Beyond	
A. Proposed General Fund Projects												
1	11-PR-90-003	Parks & Rec.	Sports Field and Park Improvements	1,091	0	0	0	0	0	1,000	0	2,091
2	11-PR-00-002	Parks & Rec.	Folly Lick/Spring Branch Regional Trail	408	0	577	200	0	0	0	0	1,185
3	11-PR-07-001	Parks & Rec.	Bready Park Tennis Court Renovation	110	0	0	300	0	0	0	0	410
4	11-PR-06-001	Parks & Rec.	W&OD Trail Lighting - Downtown	0	0	0	0	495	0	0	0	495
5	11-PR-07-003	Parks & Rec.	Park Equipment Replacement Program	0	0	0	0	0	0	0	150	150
6	09-BD-08-003	Parks & Rec.	Herndon Community Center - Phase 5	325		0	0	0	0	3,130	100	3,555
7	11-PR-13-001	Parks & Rec.	Trailside Skate Park Expansion	0	0	25	150	0	0	0	0	175
8	11-PR-15001	Parks & Rec.	Runnymede Park Nature Center	0	0	30	0	2,560	260	0	0	2,850
9	11-PR15-002	Parks & Rec.	Town Hall Square Improvements	0	0	50	TBD	0	0	0	0	50
10	03-ST-12-001	Comm. Dev.	Trails to Herndon Metrorail	1,065	0	0	75	0	0	0	0	1,140
11	10-CD-98-002	Comm. Dev.	Wayfinding Signs and Historic Markers	100	40	0	140	0	0	0	0	280
12	03-ST-97-001	Comm. Dev.	East Elden St. -Van Buren St. to Fairfax Co. Pkwy*	72	0	0	0	0	0	0	0	72
13	03-ST-08-002	Comm. Dev.	Vehicular/Pedestrian Access to H. Metrorail	2,550	0	300	0	307	300	0	0	3,457
14	03-ST-12-001	Comm. Dev.	Van Buren St -Herndon Pkwy north to Old Spring	1,638	1,120	1,800	0	0	0	0	0	4,558
15	03-ST-18-001	Comm. Dev.	Van Buren St -Herndon Pkwy to South Town Line	250	1,100	1,280	0	0	0	0	0	2,630
16	03-ST-14-001	Comm. Dev.	Worldgate Drive Extension	0	0	0	0	0	0	0	0	0
17	11-CD-14-002	Comm. Dev.	Sterling Road Improvements	0	0	148	0	200	500	1,000	0	1,848
18	03-CD-15-001	Comm. Dev.	Bicycle Facilities & Accommodations	10	12	91	10	145	0	0	0	268
19	03-ST-96-001A	Public Works	Downtown Streets	600	0	0	0	0	0	0	0	600
20	03-ST-00-001	Public Works	Elden - Center Streets Intersection Improvements	1,830	0	0	0	0	0	0	0	1,830
21	15-TS-96-001	Public Works	GSA - Major Vehicle/Equipment Replacement	420	695	845	385	570	315	415	0	3,645
22	03-ST-94-003	Public Works	Streetlights	70	40	80	70	50	75	40	0	425
23	05-SM-96-001	Public Works	Storm Drainage Improvements	250	0	0	0	0	300	250	0	800
24	09-BD-04-001	Public Works	Buildings - Major Maintenance	260	260	305	310	410	350	450	0	2,345
25	03-ST-08-001	Public Works	Sidewalk and Minor Trails	0	250	250	190	85	260	0	0	1,035
26	02-CD08-001	Public Works	Herndon Parkway/ Van Buren St. Intersection	2,600	0	0	0	0	0	0	0	2,600
27	15-DPW-15-001	Public Works	Herndon Parkway/ Sterling Rd. Intersection	330	0	0	0	0	0	0	0	330
28	03-ST-15-004	Public Works	Herndon Pkwy/ Spring St. Intersection to Fairfax Co. Pkwy	0	819	1,276	1,371	3,039	200	0	0	6,705
29	03-ST-11-003	Public Works	Downtown Utility Relocation	2,925	0	0	0	0	0	0	0	2,925
30	03-ST-12-004	Public Works	Major Road Repaving Projects	25	250	250	250	250	250	0	0	1,275
31	03-ST-15-002	Public Works	Elden -Monroe Intersection Improvements	350	0	900	0	0	0	0	0	1,250
32	03-ST-15-003	Public Works	Monroe Street Improvements	0	0	0	665	300	TBD	0	0	965
33	03-ST-00-001	Public Works	Town Support Facilities	80	0	0	0	0	0	0	0	80
34	16-IT-97-001	Info. Tech.	Information Technology	560	25	135	0	0	0	0	0	720
35	15-PO-15-001	Police	Police Radio Equipment	420	210	211	0	0	0	0	0	841
36	5-SM-18-002	Public Works	Stream Restoration	0	0	190	0	1000	0	0	0	1190
37	09-CD-17-10	Town Mgr	Downtown Redevelopment-Parking & Art Center		TBD	TBD						0
38	02-ST-18-003	Public Works	Traffic Signal Uninterruptable Power Supply	0	150	0	150	0	0	0	0	300
			TOTAL- GENERAL FUND	18,339	4,971	8,743	4,266	9,411	2,810	6,285	250	55,075

55,075

Estimated Reserves reflects funding expected to be available at July 1, 2017; may include prior reserve amounts and FY2017 allocations that are not encumbered.
*East Elden Street is a VDOT project. See project sheet for state funding sources. Minor general fund contribution only shown on this summary sheet.

Town of Herndon FY2018-FY2023 Capital Improvement Program

FY2018 - FY2023 CIP SUMMARY: ENTERPRISE FUND PROJECTS

Consecutive numbering corresponds to page numbers in Section V-CIP Project Descriptions

All figures represent dollars in thousands

				Estimated	Budget							Estimated
	Project No.	Dept.	Project Title	Reserves	Year							Total
					FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Beyond	Cost \b
B. Proposed Golf Course Fund Projects												
39	09-GC-96-003	Golf Course	Clubhouse Expansion - Phase Three	172	0	TBD	0	0	0	0	0	172
40	10-GC-96-005	Golf Course	Golf Course Master Plan Improvements	0	0	0	0	10	206	0	655	871
TOTAL- GOLF COURSE FUND				172	0	0	0	10	206	0	655	1,043
C. Proposed Water and Sewer Fund Projects												
41	12-WS-96-001	Public Works	General Water Maint. & Replacement	590	70	1,100	0	890	495	167	TBD	3,312
42	15-WS-15-002	Public Works	Water - Major Vehicles/Equipment	0	55	80	0	0	0	0	0	135
43	15-SS-15-001	Public Works	Sewer - Major Vehicles/Equipment	0	0	0	0	140	80	0	0	220
44	06-SS-15-002	Public Works	Sewer Utility Master Plan Improvements	320	257	439	482	314	430	999	0	3,241
45	06-SS-15-003	Public Works	Sewer Capacity Purchase	0	0	1,421	1,421	1,421	1,421	1,421	TBD	22,000
46	06-SS-13-001	Public Works	Sewer Main Relining and Manhole Rehab Program	500	0	500	500	500	500	0	0	2,500
47	12-WS-15-003	Public Works	Water Utility Master Plan Improvements	308	200	1,800	1,000	0	0	0	0	3,308
48	12-WS-15-004	Public Works	Water Capacity Purchase	344	0	421	421	421	421	421	7,829	10,278
49	12-WS-15-005	Public Works	Water Storage Tank Rehabilitation	0	1,130	0	0	0	0	0	0	1,130
TOTAL- WATER AND SEWER FUND				2,062	1,712	5,761	3,824	3,686	3,347	3,008	TBD	46,124
D. Proposed Downtown Parking Fund Projects												
			(see General Fund project #37)									0
TOTAL- DOWNTOWN PARKING FUND				0	0	0	0	0	0	0		0
E. Proposed Cemetery Fund Projects												
50	11-PR-15-001	Parks & Rec.	Chestnut Grove Cemetery	0	0	0	0	0	0	0	0	0
TOTAL- CEMETERY FUND				0	0	0	0	0	0	0	0	0

(May include prior Reserve amounts and FY2017 budget allocations that are not yet encumbered.)

IV. CIP PROJECT DESCRIPTIONS

A. GENERAL FUND PROJECTS

Sports Field and Park Improvements

Project Number: 11-PR-90-003

Project Class: Parks and Playgrounds

Department: Parks and Recreation

Project Description: Using proffer funds, this proposal is to replace the Haley Smith Park soccer field natural turf with synthetic grass to increase playability and help offset the need for rectangular fields following the redevelopment of the Herndon Transit-Oriented Core (HTOC). Operating costs include purchasing a grooming machine and the appropriate goals, corner flags, etc. at \$10-20,000. Grooming may average two to six hours per week during the "season." Haley Smith Park is located on the east side of Van Buren Street, north of Herndon Parkway. This project includes adding lights to the field which is estimated at \$185,000 at current pricing. The Herndon Transit Oriented Core proffer of \$1,000,000 for Haley Smith Park is reflected in the beyond column.

Reserve funds are directed to completion of the Bready Park conversion to synthetic turf begun in FY17. Bready Park is located on Ferndale Avenue.

Adopted Goals and Objectives:

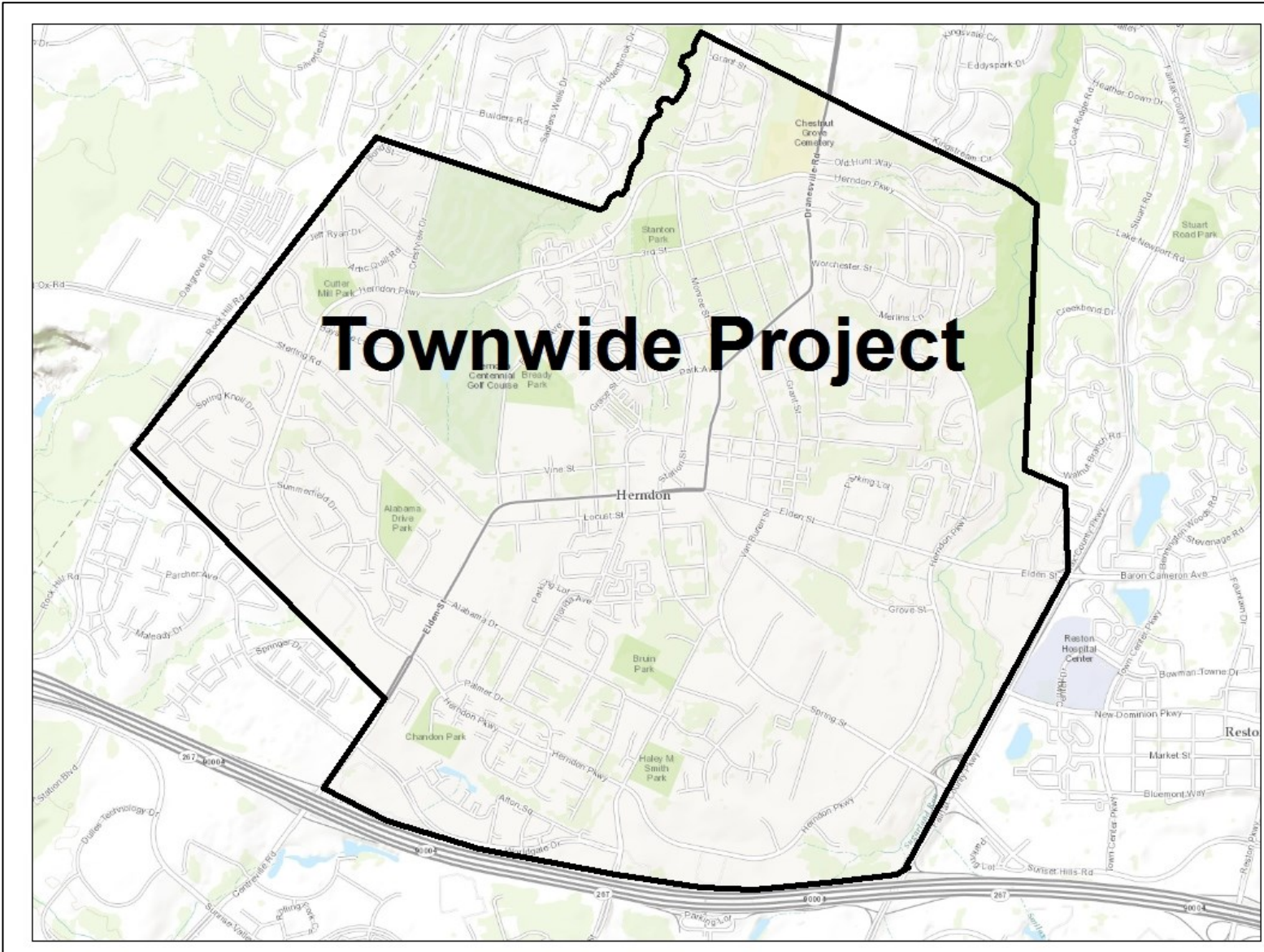
Cultivating A Sustainable Environment:

1. Develop and implement an environmental sustainability plan for the town. Sustain and enhance our parks.

**Town of Herndon Parks & Recreation
Department Strategic Plan 2013 – 2017:**

2. Provide a balanced system of parks, trails, open space and recreational facilities which are equitably distributed and accessible to all residents.

3. Improve and enhance sports fields.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	0								0
Construction and related services	1091						1000		2091
Equipment/Furniture									0
TOTAL	1091	0	0	0	0	0	1000	0	2091

FINANCING SOURCES:									
General Fund	342								342
G.O. Bonds									0
Intergovernmental Aid	125								125
Sports Contribution/Grants	400								400
Recreational Cash Proffers	224						1000		1224
TOTAL	1091	0	0	0	0	0	1000	0	2091

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations		18							18
TOTAL	0	18	0	0	0	0	0	0	18

Folly Lick/Spring Branch Regional Trail

Project Number: 11-PR-00-002

Project Class: Parks and Playgrounds

Department: Parks and Recreation

Project Description: The Folly Lick/Spring Branch Trail begins at the existing regional trail located at the town's northern boundary near Monroe Street continuing southward to Center Street. The town's project will develop a 3,000 foot segment of the Folly Lick/Spring Branch Trail between Herndon Parkway and Park Avenue, utilizing the signalized crossing at Herndon Parkway and Monroe Streets.

Funding anticipates a Virginia Recreation Trails Grant of \$200,000. In FY2010, concept design was completed and construction information was gathered to apply for construction grants. Easement acquisition is necessary. Cash proffers in the amount of \$82,900 were reallocated to the Sports Field CIP project for Bready Park.

Adopted Goals and Objectives:

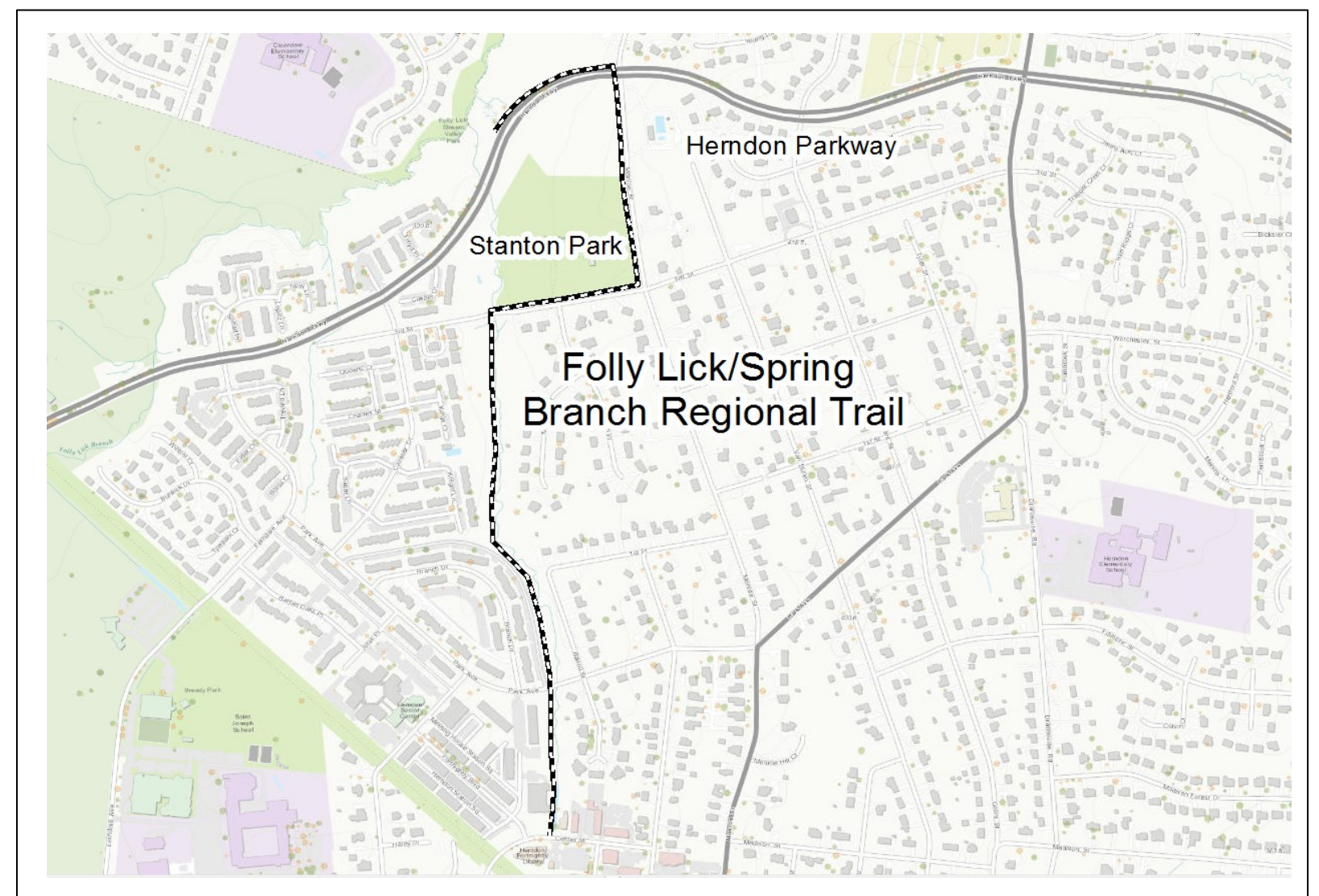
Cultivating a sustainable environment:

1. Develop long-range plan for multi-modal methods to move people in and around town.
2. Implement the Master Trails Plan to expand pedestrian and bicycle routes, to include the north/south bike route.

Town of Herndon Parks & Recreation

Department Strategic Plan 2013 – 2017:

3. Provide a balanced system of parks, trails, open space and recreational facilities which are equitably distributed and accessible to all residents. C. Increase opportunity for pedestrian and bike use for transportation and recreation.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.			100						100
Construction and related services	408		477	200					1085
Equipment/Furniture									0
TOTAL	408	0	577	200	0	0	0	0	1185

FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Recreational Cash Proffers	17								17
HB2313 Local share 30% funding	391		577	200					1168
TOTAL	408	0	577	200	0	0	0		1185

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0			0

Bready Park Tennis Court Renovation

Project Number: 11-PR-07-001 Project Class: Parks and Playgrounds Department: Parks and Recreation

Project Description: The project provides for the renovation of three of Bready Park's six tennis courts. The project will replace the conduit and electrical boxes and address the drainage around the three seasonal indoor courts. In addition, the chain link fencing around the tennis courts needs to be replaced every 30 to 35 years. The future project includes replacement of the air structure's inner membrane and mechanical system, and other identified repairs. The air structure is 18 years old in Calendar Year 2017.

Adopted Goals and Objectives:

Cultivating A Sustainable Environment:

1. Develop and implement an environmental sustainability plan for the town. Sustain and enhance our parks.

Town of Herndon Parks & Recreation

Department Strategic Plan 2013 – 2017:

•2. Provide a balanced system of parks, trails, open space and recreational facilities which are equitably distributed and accessible to all residents.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	110	TBD	TBD	300					410
Equipment/Furniture									0
TOTAL	110	0	0	300	0	0	0	0	410

FINANCING SOURCES:									
General Fund	110	TBD							110
G.O. Bonds				300					300
Intergovernmental Aid									0
Recreation Cash Proffers									0
Other									0
TOTAL	110	0	0	300	0	0	0	0	410

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

W&OD Trail Lighting

Project Number: 11-PR-06-001

Project Class: Parks and Playgrounds

Department: Parks and Recreation

Project Description: Final phase from Van Buren to the connection with the Sugarland Run Trail, east of the Herndon Parkway bridge. Approximately 3,800 linear feet. Costs are estimated based on Phase 2 costs which were \$130 per foot based on pole spacing every 100 feet.

Funding relies on General Fund and a \$250,000 Trails Grant from the Virginia Department of Conservation and Recreation (DCR) which is unknown at this time.

Adopted Goals and Objectives:

Cultivating a Sustainable Environment:

1. Develop long-range plan for multi-modal methods to move people in and around town.

2. Implement the Master Trails Plan to expand pedestrian and bicycle routes, to include the north/south bike route.

Town of Herndon Parks & Recreation Department Strategic Plan 2013 – 2017:

3. Provide a balanced system of parks, trails, open space and recreational facilities which are equitably distributed and accessible to all residents. C. Increase opportunity for pedestrian and bike use for transportation and recreation.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.					50				50
Construction and related services					445				445
Equipment/Furniture									0
TOTAL	0	0	0	0	495	0	0	0	495

FINANCING SOURCES:									
General Fund					245				245
G.O. Bonds									0
Intergovernmental Aid									0
Recreational Cash Proffers									0
Recreational Trails Grant (DCR)					250				250
TOTAL	0	0	0	0	495	0	0	0	495

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations					5	5	5		15
TOTAL	0	0	0	0	5	5	5	0	15

Park Equipment Replacement Program

Project Number: 11-PR-07-003Project Class: Parks and PlaygroundsDepartment: Parks and Recreation

Project Description This project accounts for any playground replacement or significant improvements in Town parks.

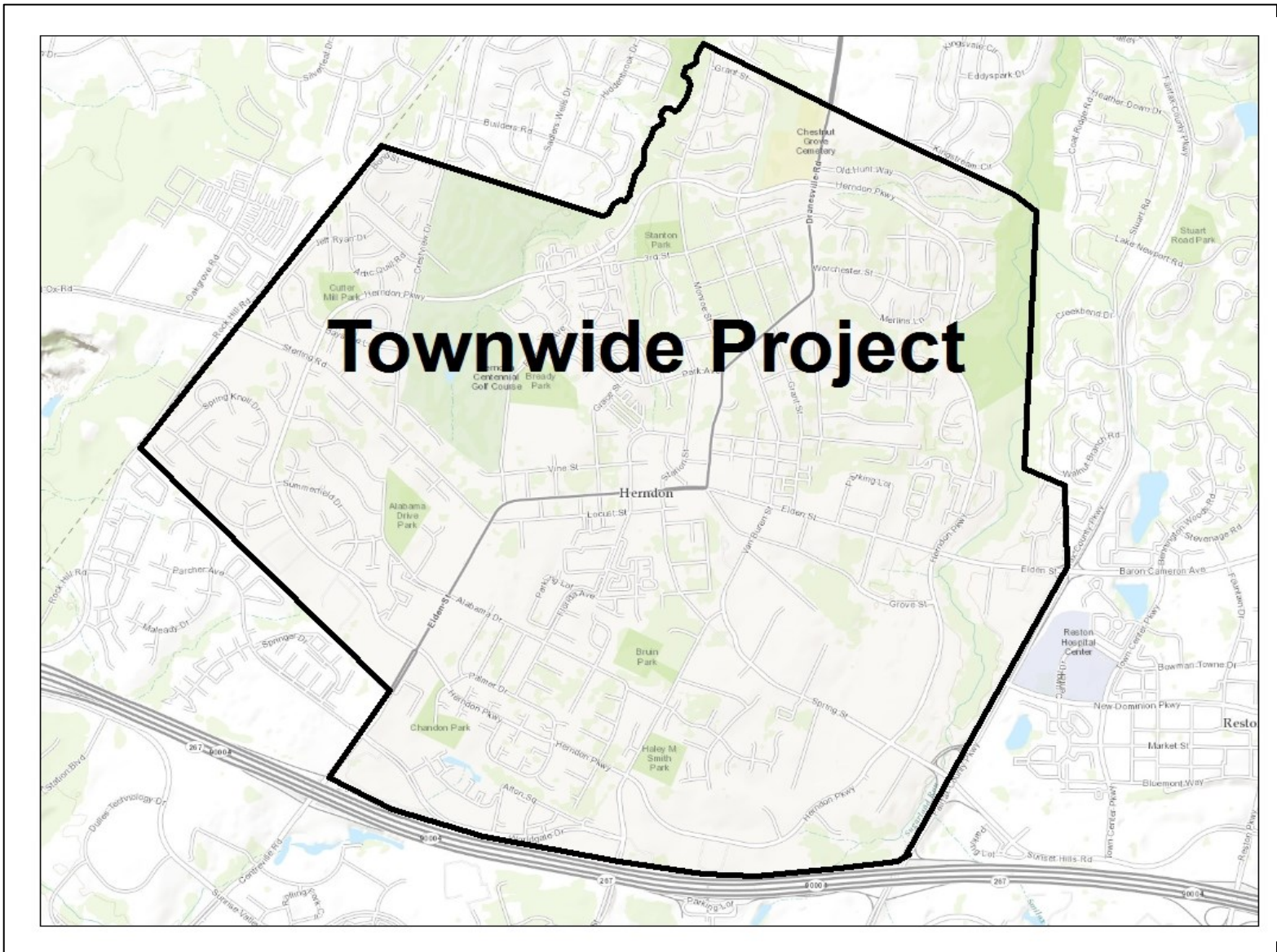
Adopted Goals and Objectives:

Cultivating A Sustainable Environment:

1. Develop and implement an environmental sustainability plan for the town. Sustain and enhance our parks.

**Town of Herndon Parks & Recreation
Department Strategic Plan 2013 – 2017:**

2. Provide a balanced system of parks, trails, open space and recreational facilities which are equitably distributed and accessible to all residents.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services									0
Equipment/Furniture								150	150
TOTAL	0	0	0	0	0	0	0	150	150

FINANCING SOURCES:									
General Fund								150	150
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
TOTAL	0	0	0	0	0	0	0	150	150

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL									0

Herndon Community Center - Phase 5

Project Number: 09-BD-08-003

Project Class: Buildings

Department: Parks and Recreation

Project Description: The phase five expansion project is proposed as an under 10,000 square foot second story addition to the Herndon Community Center. This expansion will enhance the quality of existing operations by improving the fitness and instructional areas, multi-purpose space and storage space. The project also includes improvements to the locker room areas to replace the failing drain system and meet ADA requirements. It will reconfigure the entrance area and address HVAC shortcomings in the lobby. Project planning will include improvements to the parking lot. The previous expansion included foundation support, locations for stairwells, elevators and floor structures.

Project design was funded in FY2016. Operating impacts include select new fitness equipment and supplies, and personnel expenses are anticipated to increase by one full-time custodial position and associated seasonal staff.

Adopted Goals and Objectives:

Town of Herndon Parks & Recreation

Department Strategic Plan 2013 – 2017:

1. Provide a balanced system of parks, trails, open space and recreational facilities which are equitably distributed and accessible to all residents. Provide safe, clean, and attractive facilities in a customer-friendly environment.

2035 Vision Plan:

2. Enriching Lives Through Arts and Entertainment.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	325								325
Construction and related services							3130		3130
Equipment/Furniture								100	100
TOTAL	325	0	0	0	0	0	3130	100	3555

FINANCING SOURCES:									
General Fund								100	100
G.O. Bonds	325						3130		3455
Intergovernmental Aid									0
Other									0
Other									0
TOTAL	325	0	0	0	0	0	3130	100	3555

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									
TOTAL	0	0	0	0	0	0	0	0	0

Trailside Skate Park Expansion

Project Number: 11-PR-13-001Project Class: Parks and PlaygroundsDepartment: Parks and Recreation

Project Description: The skate park at Trailside was completed in September 2010. The current 4,200 sq. ft. park could be enhanced with an additional 5,000 sq. ft. area that would allow for separation of beginner skaters and instructional programs and include updating street components adjacent to the existing skate areas. Further enhancements may include spectator areas, benches and access pathways, plus improvements to the access points on to the concrete skating area and repairs to some of the areas starting to crack/chip with wear and aging.

Adopted Goals and Objectives:

Cultivating A Sustainable Environment:

1. Develop and implement an environmental sustainability plan for the town. Sustain and enhance our parks.

**Town of Herndon Parks & Recreation
Department Strategic Plan 2013 – 2017:**

2. Provide a balanced system of parks, trails, open space and recreational facilities which are equitably distributed and accessible to all residents.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.			25	150					175
Construction and related services									0
Equipment/Furniture									0
TOTAL	0	0	25	150	0	0	0	0	175
FINANCING SOURCES:									
General Fund			25	150					175
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
Other									0
TOTAL	0	0	25	150	0	0	0	0	175
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations			3	3	3	3	3		15
TOTAL	0	0	3	3	3	3	3	0	15

Runnymede Park Nature Center

Project Number: 11-PR-15-001

Project Class: Parks and Playgrounds

Department: Parks and Recreation

Project Description: A 4,000 sq foot Nature Center at Runnymede Park with spaces for nature education activities, to include exhibits and equipment. A code review is necessary to determine the necessary changes to the 2003 proposed design. Once assessed, new cost estimates for design and construction can be developed, and programming and indoor exhibits updated along with a staffing plan.

Adopted Goals and Objectives:

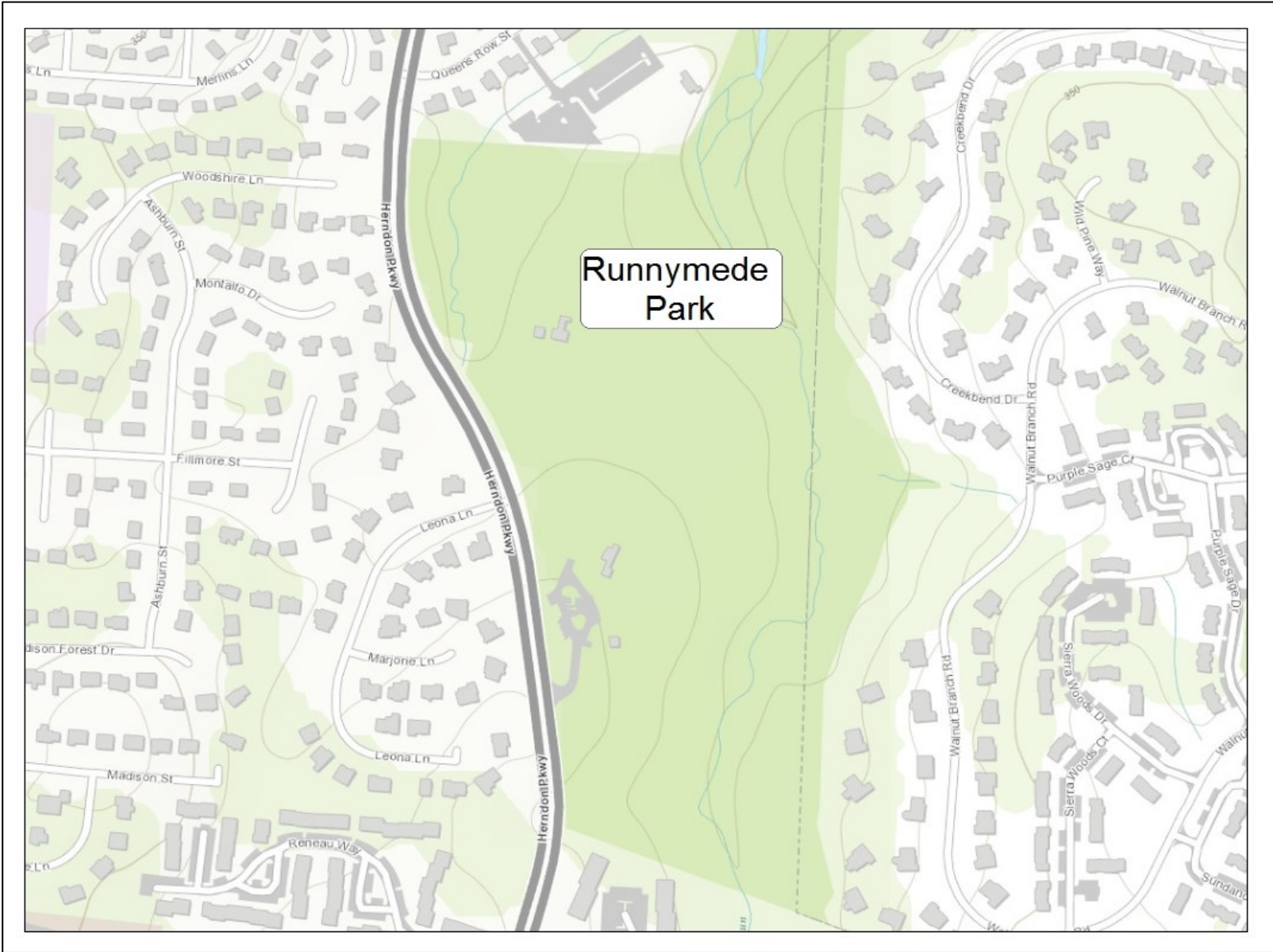
Cultivating A Sustainable Environment:

1. Develop and implement an environmental sustainability plan for the town. Sustain and enhance our parks.

Town of Herndon Parks & Recreation

Department Strategic Plan 2013 – 2017:

2. Provide a balanced system of parks, trails, open space and recreational facilities which are equitably distributed and accessible to all residents.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.			30						30
Construction and related services					2560				2560
Equipment/Furniture						260			260
TOTAL	0	0	30	0	2560	260	0	0	2850
FINANCING SOURCES:									
General Fund			30			260			290
G.O. Bonds					2560				2560
Intergovernmental Aid									0
Recreation Cash Proffers									0
Other									0
TOTAL	0	0	30	0	2560	260	0	0	2850
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations						100			100
TOTAL	0	0	0	0	0	100	0	0	100

Town Hall Square Improvements

Project Number: 11-PR-15-002

Project Class: Grounds

Department: Community Development

Project Description: Enhancements to the town green area near the Old Town Hall at Elden, Station and Lynn Streets. Improvements to enhance the use of the Town Hall Square to include replacement of the existing parking area between the Depot and the Town Hall with an additional gathering space, various seating options, and one or more activity options. The project will also create a space for temporary interactive art installations and possibly a space for a permanent art installation. Existing spaces such as Depot stage and lawn/audience areas to be preserved with potential upgrades to landscaping and surface treatments.

Adopted Goals and Objectives:

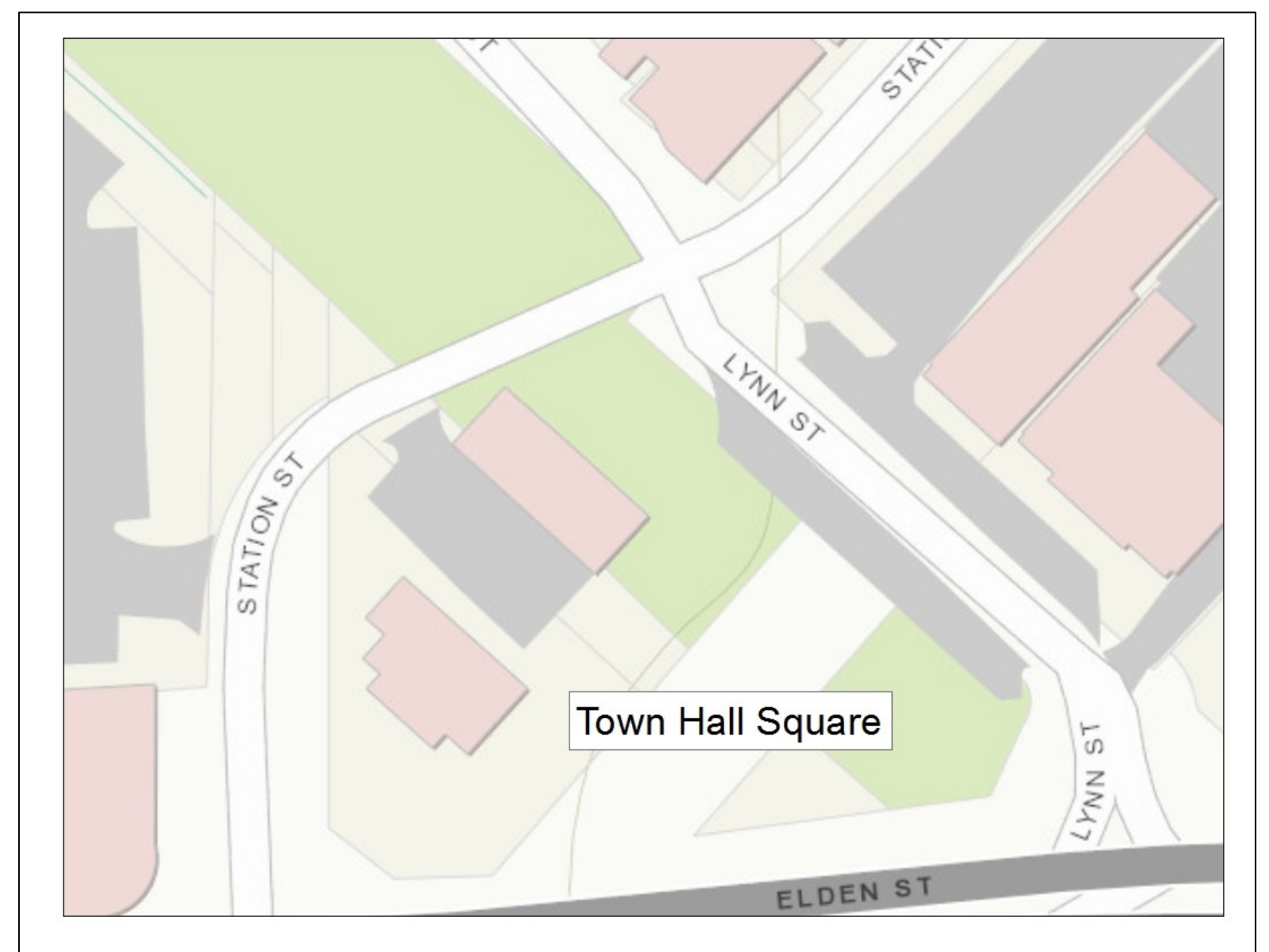
Cultivating A Sustainable Environment:

1. Develop and implement an environmental sustainability plan for the town. Sustain and enhance our parks.

Town of Herndon Parks & Recreation

Department Strategic Plan 2013 – 2017:

2. Provide a balanced system of parks, trails, open space and recreational facilities which are equitably distributed and accessible to all residents.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.		0	50	TBD					50
Construction and related services				TBD					0
Equipment/Furniture									0
TOTAL	0	0	50	TBD	0	0	0	0	50

FINANCING SOURCES:									
General Fund			50	TBD					50
G.O. Bonds									0
Intergovernmental Aid									0
Recreation Cash Proffers									0
Other									0
TOTAL	0	0	50	TBD	0	0	0	0	50

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Trails to Herndon Metrorail

Project Number: 03-ST-12-001

Project Class: Streets

Department: Community Development

Project Description: This project will provide improvements to create better pedestrian and bicycle access to the Metro entrance pavilion that will be located just to the north of the Herndon Metrorail Station. Pedestrian and bicycle improvements include improved sidewalk and asphalt trail facilities connecting the intersection of Van Buren Street and Worldgate Drive with the entrance pavilion, making use of an existing easement. Depending on the position and coverage of adjacent lighting fixtures, the trail may require lighting. Reserves as shown are HB2313 funding and also include the following Fairfax County Herndon Metrorail Station Access Management Study (HMSAMS) funding as approved by Fairfax County: Crosswalk at Van Buren St. and Worldgate Dr. (\$250,000); Chandon Park Connector Trail to Worldgate Trail (\$500,000, supporting design to occur in FY18 with funding at \$200,000 and construction for FY19 with \$300,000.) Fairfax County to reimburse town per design agreement followed by construction agreement.

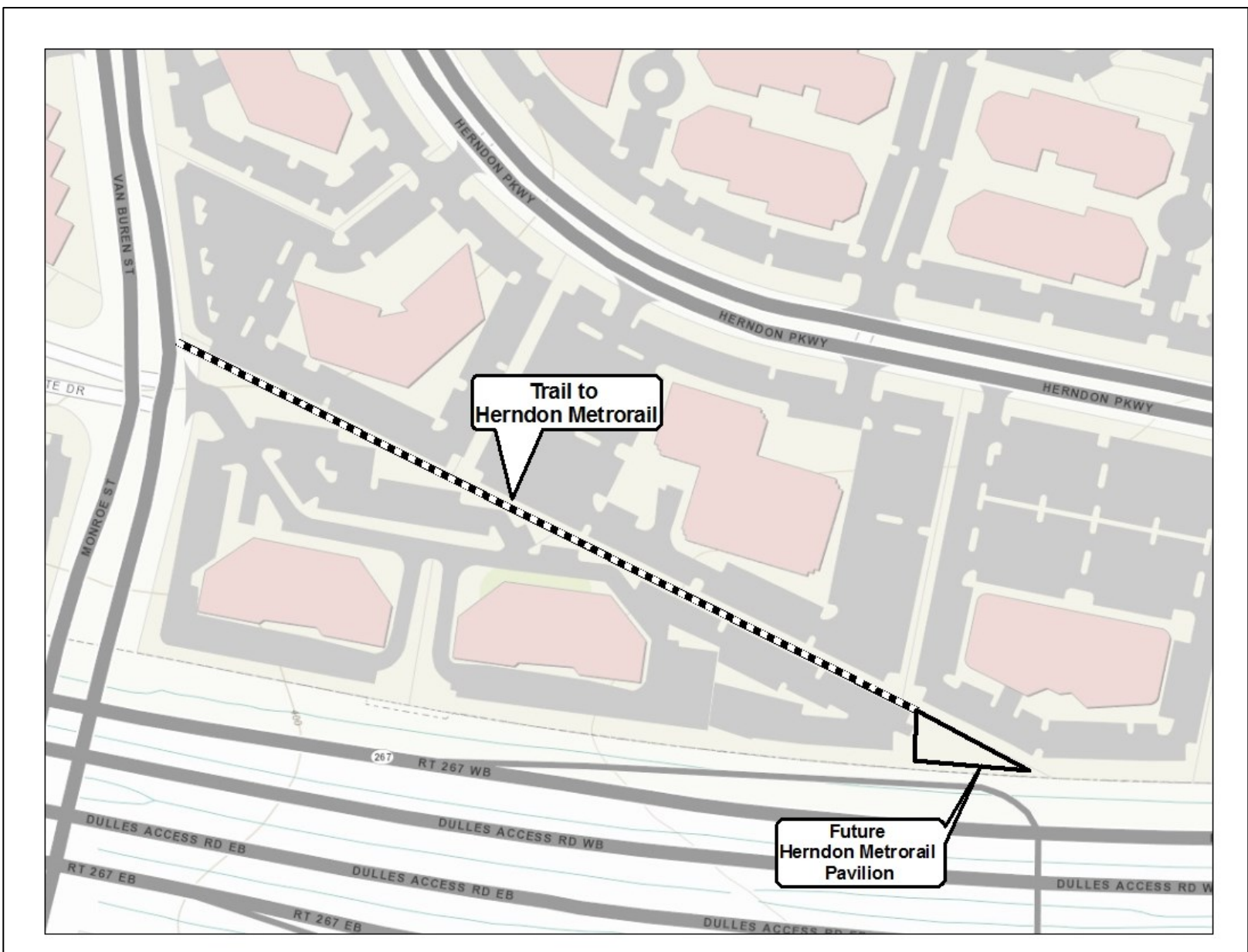
Adopted Goals and Objectives:

From 2035 Vision Plan and Goals:

1. Project implements multi-modal methods to move people in and around town.
2. Expand pedestrian and bicycle routes.

From 2030 Comprehensive Plan :

3. To facilitate alternative modes of transportation within the town.
4. Continue to integrate pedestrian and bicycle facilities with the street and transit network through the trail and sidewalk program.
5. Implement the Master Trails Plan to expand pedestrian and bicycle routes to include the north/south pedestrian and bike route.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Previous Allocations	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									
Construction and related services	1065			75					1140
Equipment/Furniture									0
TOTAL	1065	0	0	75	0	0	0	0	1140
FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid -F.Co. HMSAMS	750								750
Approved CMAQ funding				75					75
HB2313-local/30% share	315								315
TOTAL	1065	0	0	75	0	0	0	0	1140
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL		0	0	0	0	0	0	0	0

Wayfinding Signs and Historic Markers

Project Number: 10-CD-16-001

Project Class: Grounds

Department: Community Development

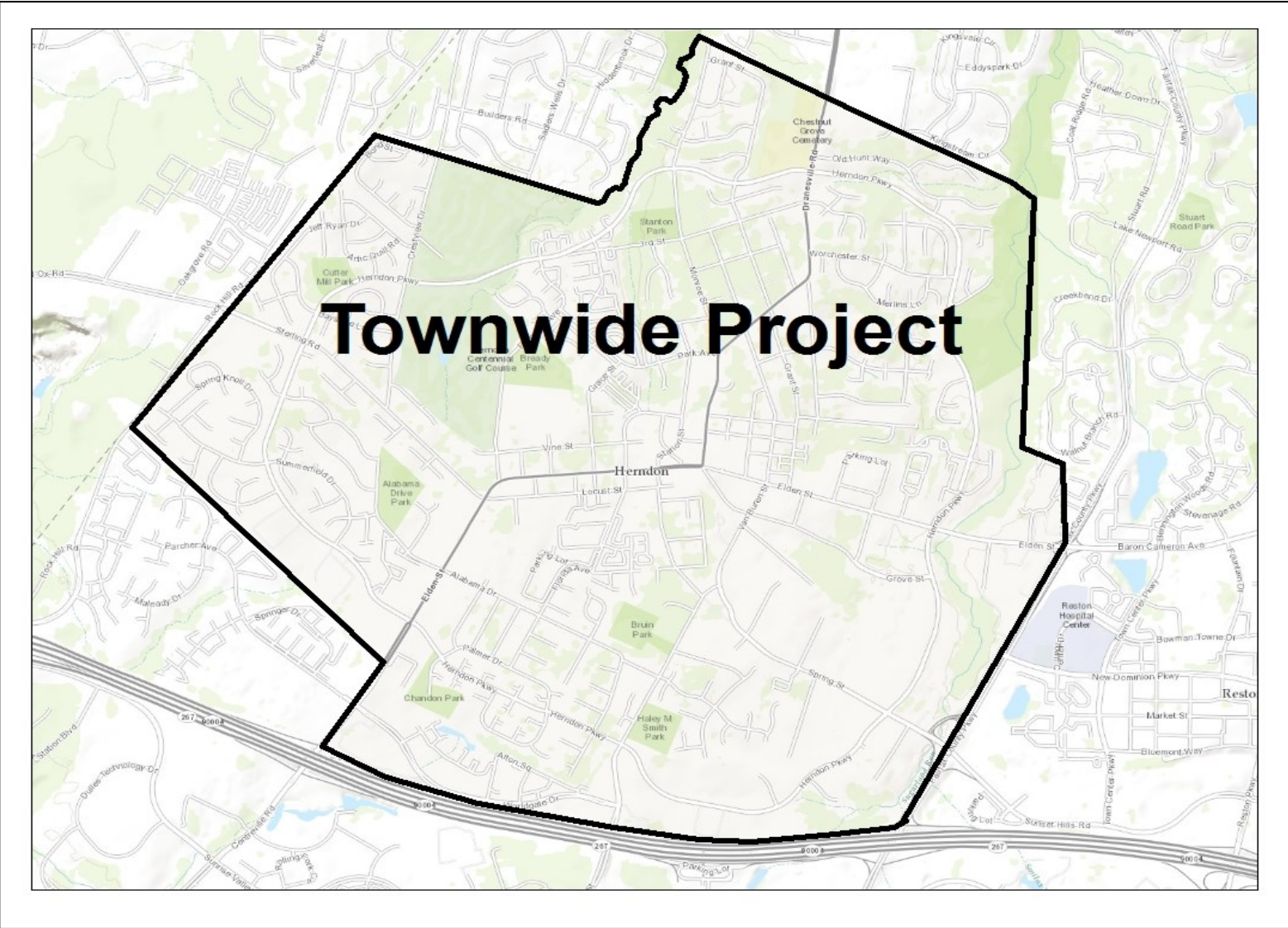
Project Description: The historic marker program is under way. In FY2016, design was finalized and the manufacturer chosen. Marker fabrication and installation began and is expected to be completed in FY2017 with the installation of between 18 and 22 historic markers.

A town-wide coordinated wayfinding sign program is planned with focus on the downtown and the metro station area. This program would direct pedestrian, bicyclists, and motorists to specific transportation facilities such as the W&OD trail and the metro station, to civic and community buildings such as the library or HMC, and in mixed-use activity centers may provide wayfinding for certain businesses or commercial developments. Funding will be required for the design, construction, and installation of these signs. Funding is programmed with design the first year and construction subsequent years with an anticipated completion coordinated with the opening of the Herndon Metrorail Station.

Adopted Goals and Objectives:

From 2035 Vision Plan and Goals:

1. Develop and implement a strategy to identify distinctive features/locations of Herndon and use signage, streetscaping, and beautification efforts.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	70	40		20					130
Construction and related services	30			120					150
Equipment/Furniture									0
TOTAL	100	40	0	140	0	0	0	0	280

FINANCING SOURCES:									
General Fund	100	40	0	140					280
G.O. Bonds									0
Intergovernmental Aid									0
Other									0
TOTAL	100	40	0	140	0	0	0	0	280

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

East Elden Street (from west of Van Buren St to Fairfax Co. Parkway)

Project Number: 03-ST-97-001

Project Class: Street

Department: Community Development (VDOT Project)

Project Description: This VDOT project will improve Elden Street, from Fairfax County Parkway to Van Buren Street, in accord with the Town Council resolution of October 13, 1998. Project elements include streetscape and median enhancements. Elden Street will be widened to a six-lane divided section with a vegetated median strip between the Herndon and Fairfax County Parkways. From Herndon Parkway to Van Buren Street, the project will include a four-lane section with vegetated median strip with dedicated turning lanes. The project will make a transition down to two travel lanes west of Van Buren Street and approaching Monroe Street.

VDOT's Six-Year Improvement Program (SYIP) is the source for the figures below. The project is currently using federal surface transportation (RSTP) funding for the engineering design phase. The project is being designed and constructed by VDOT, in cooperation with the Town of Herndon. During March 2016, the Northern Virginia Transportation Authority approved an additional \$600,000 in RSTP for this project for FY2022.

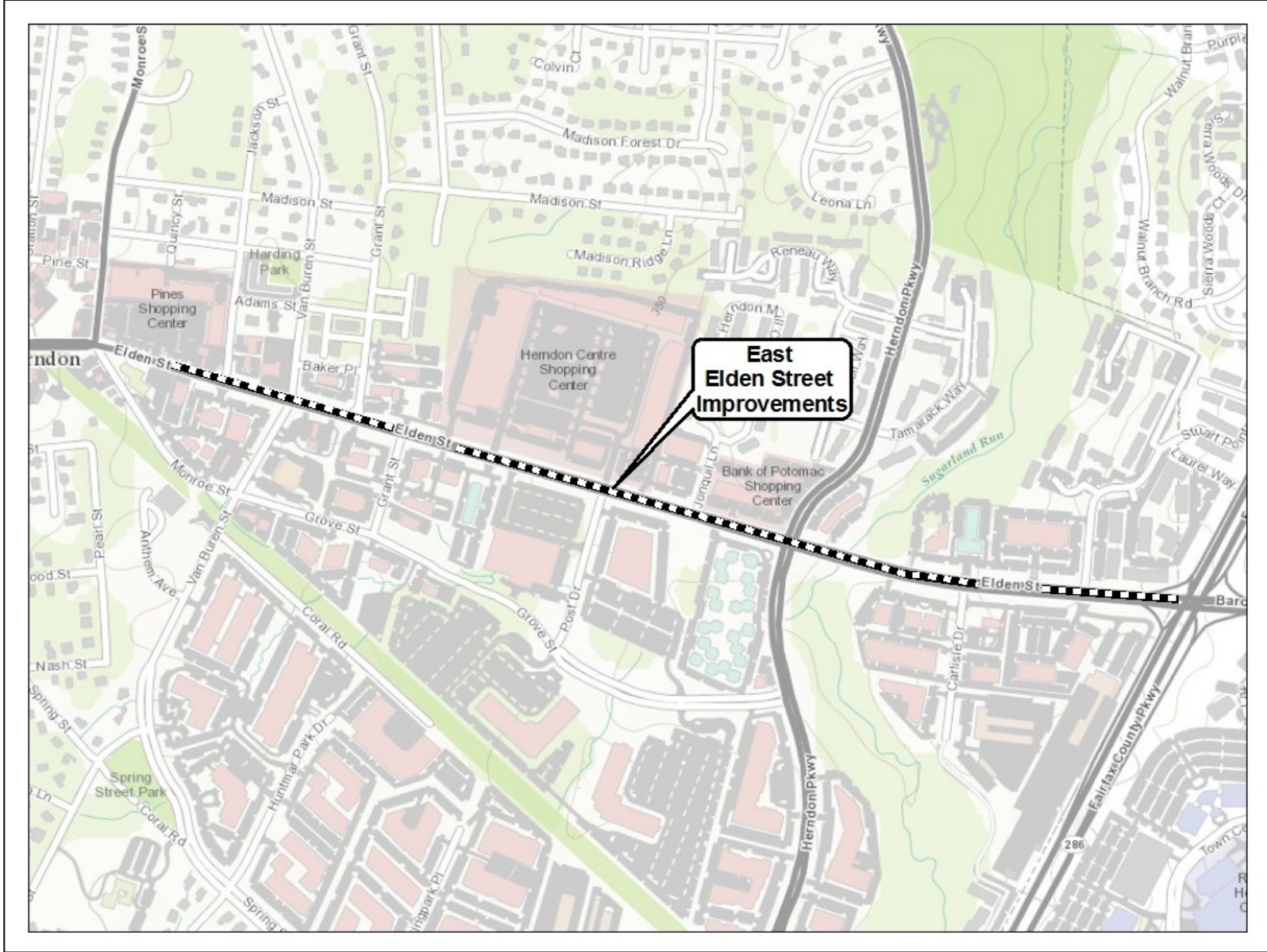
Adopted Goals and Objectives:

From 2035 Vision Plan and Goals :

1. Project implements multi-modal methods to move people in and around town.
2. Expand pedestrian and bicycle routes.

From 2030 Comprehensive Plan :

3. Identify and program sufficient resources to complete major elements or upgrades to the planned road network.
4. To facilitate alternative modes of transportation within the town.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Previous Allocations	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	72								72
Equipment/Furniture									0
TOTAL	72	0	0	0	0	0	0	0	11

FINANCING SOURCES:									
General Fund (local match)	72								72
Legacy CN Formula, other	501								501
RSTP	3204	738	584	699	109	600			5934
Specialized State and Federal	991								991
HB2313-Regional (70%)	10400								10400
VDOT Smartscale (Pending)		25539						0	25539
TOTAL	15168	26277	584	699	109	600	0	0	43437

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Vehicular and Pedestrian Access to Herndon Metrorail

Project Number: 3-CD-08-002

Project Class: Street

Department: Community Development

Project Description: This project will provide improvements to create better vehicular and pedestrian access in the vicinity of the north side of the Herndon Metrorail Station. A drop-off lane for both directions along Herndon Parkway is proposed to accommodate Fairfax Connector buses and for drivers to pull off of Herndon Parkway to drop off Metrorail passengers in a safe manner. Town staff initiated preliminary engineering design in spring 2013 to determine the extent of improvements and subsequent costs associated with right-of-way acquisition and the relocation of sidewalks, utilities, etc. The town was allocated previous CMAQ funding, with an additional \$300,000 in FY2022 approved by the Northern Virginia Transportation Authority for enhancements, signalization, etc. that will be needed beyond the initial improvements. The project will be using \$250,000 of HMSAMS funding for a mid-block signalized crosswalk at Herndon Parkway and the sidewalk extending from the station entrance. The town anticipates that additional enhanced pedestrian and vehicle facilities beyond this project will be funded through developer commitments associated with rezoning for redevelopment. Metrorail service in Phase 2 of the Silver Line may be available by 2019, extending the line from Wiehle Ave Station through Dulles Airport to Route 772 in Loudoun County. Construction of the town access project is anticipated during FY19 and

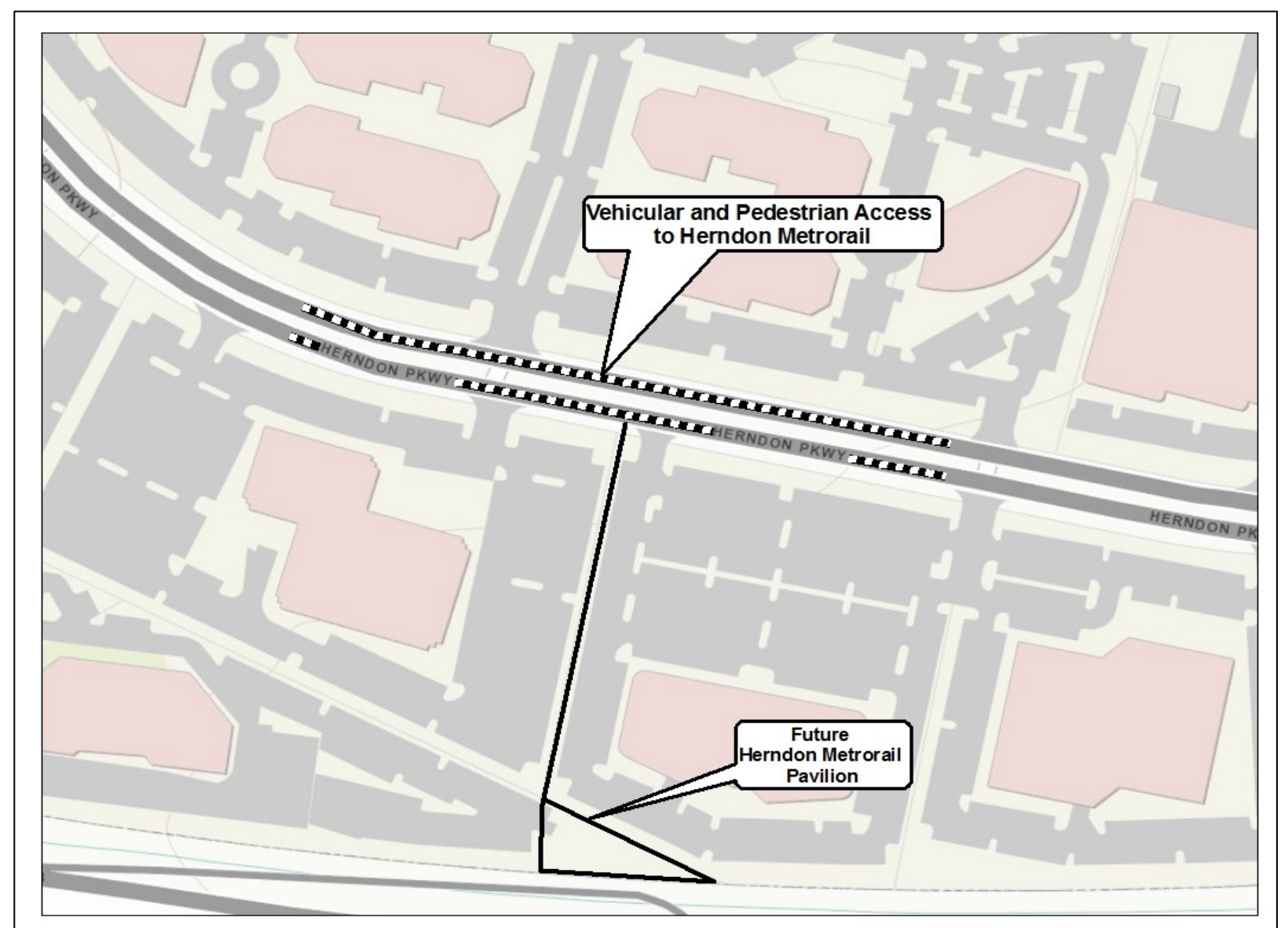
Adopted Goals and Objectives:

From 2035 Vision Plan and Goals :

1. Advocate appropriate access improvements for the opening of the Herndon Station.
2. Project implements multi-modal methods to move people in and around town.

From 2030 Comprehensive Plan :

3. Provide enhanced access facilities at the north side of the Herndon Metrorail Station.
4. Continue to support the Herndon Metrorail Station and develop plans for surrounding access to the station.
5. To facilitate alternative modes of transportation within the town.



amounts indicated = dollars in thousands

ESTIMATED COST:	Fiscal Year								
	Previous Allocation	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition	200								200
Architecture/Engin./Admin.	600								600
Construction and related services	1750		300	0	307	300			2657
Equipment/Furniture									0
TOTAL	2550	0	300	0	307	300	0	0	3457

FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid (HMSAMS)	250								250
HB2313 Regional 70% share	1100								1100
CMAQ Funding	1200		300	0	307	300			2107
TOTAL	2550	0	300	0	307	300	0	0	3457

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Van Buren Street Improvements (Old Spring St. to Herndon Parkway)

Project Number: 03-ST-13-001

Project Class: Street

Department: Community Development

Project Description: This project will rebuild a portion of Van Buren Street to create a “complete street” with emphasis on vehicle mobility and pedestrian/bicycle facilities. This section of street provides a key linkage for multi-modal movements between the W&OD Trail and Downtown Herndon to the Herndon Metro Station. Van Buren Street curb lines and drainage features will likely be relocated in order to adjust curb lines for traffic calming and to provide dedicated space for enhanced bicycle and pedestrian facilities. The general approach is to work within existing right of way, as much as possible, which varies in width. Surveys, concept designs, and preliminary cost estimates have been completed using \$150,000 of previous HB2313 funds (not shown). Engineering and design is expected for FY2017 commencement and will be funded with the FY2016 VDOT Transportation Alternatives Program (TAP) allocation and match. \$1,288,000 between the FY2017 TAP allocation and the FY2017 HB2313 local 30% share funds has been reserved for construction. Staff expects to leverage future TAP allocations and HMSAMS funds from Fairfax County for construction.

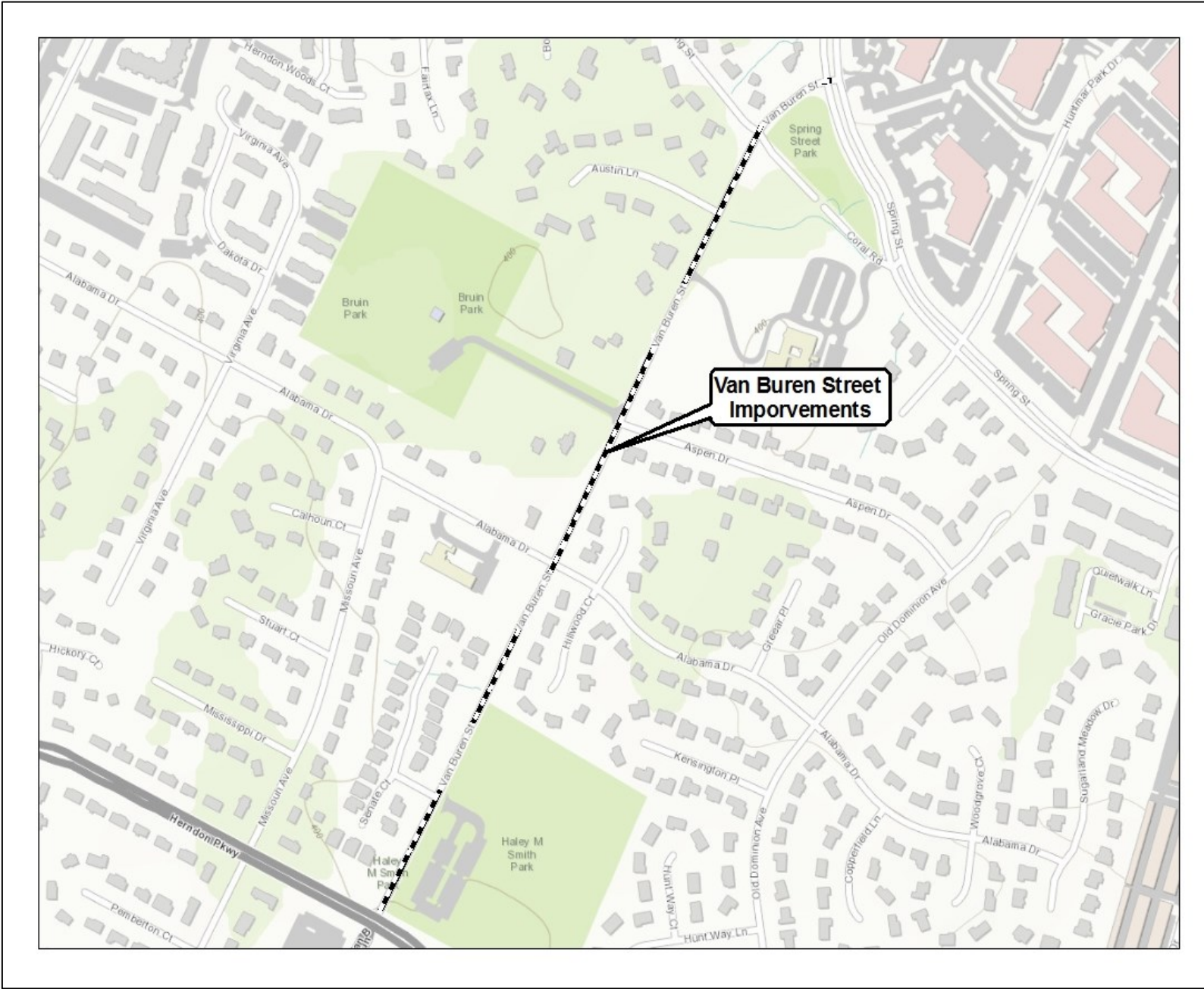
Adopted Goals and Objectives:

From 2035 Vision Plan and Goals:

- 1. Develop long-range plan for multi-modal methods to move people in and around town.
- 2. Advocate appropriate access improvements for the opening of the metro station.
- 3. Implement the Master Trails Plan to expand pedestrian and bicycle routes, to include the north/south bike route.

From 2030 Comprehensive Plan:

- 4. Facilitate alternative modes of transportation in town.
- 5. Provide safe streets that are friendly to pedestrians and bicyclists.
- 6. Continue to integrate pedestrian and bicycle facilities with the street and transit network.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Previous Allocations	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	350								350
Construction and related services	1288	1120	1800						4208
Equipment/Furniture									0
TOTAL	1638	1120	1800	0	0	0	0	0	4558

FINANCING SOURCES:									
General Fund	70								70
Fairfax Co. HMSAMS funding		800	1400						2200
Transportation Alternatives Program	790	320	400						1510
HB2313 local 30%	778								778
TOTAL	1638	1120	1800	0	0	0	0	0	4558

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Van Buren Street Improvements (Herndon Parkway to South Town Line)

Project Number: 03-ST-18-001

Project Class: Street

Department: Community Development

Project Description: This project will retrofit the character and composition of Van Buren Street between Herndon Parkway and the Monroe Street bridge at the South Town line as a continuation of the complete street design of Van Buren Street to the north of Herndon Parkway. Its primary purpose is to provide a continuous facility for multi-modal movement especially pedestrian and bicycle activity that links with the County dedicated pedestrian and bicycle facilities at the bridge. This improvement would serve as the final link of the Folly Lick -Spring Branch Regional Trail and enhance multi-modal level of service and access in and around the Herndon Metro Station area. Herndon Metro Station Access Management Study (HMSAMS) initiated funding from Fairfax County will be used for the planning study and concept design and also for design and construction when approved through agreements with Fairfax County and the Town of Herndon.

Adopted Goals and Objectives:

From 2035 Vision Plan and Goals:

- 1. Develop long-range plan for multi-modal methods to move people in and around town.
- 2. Advocate appropriate access improvements for the opening of the metro station.
- 3. Implement the Master Trails Plan to expand pedestrian and bicycle routes, to include he north/south bike route.

From 2030 Comprehensive Plan:

- 4. Facilitate alternative modes of transportation in town.
- 5. Provide safe street that are friendly to pedestrians and bicyclists.
- 6. Continue to integrate pedestrian and bicycle facilities with the street and transit network.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Previous Allocations	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	250	250							500
Construction and related services		850	1280	TBD					2130
Equipment/Furniture									0
TOTAL	250	1100	1280	0	0	0	0	0	2630
FINANCING SOURCES:									
General Fund									0
Fairfax Co. HMSAMS funding	250	250	1280	TBD					1780
Transportation Alternatives Program									0
HB2313 local 30%		850							850
TOTAL	250	1100	1280	0	0	0	0	0	2630
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Worldgate Drive Extension

Project Number: 03-ST-97-001

Project Class: Street

Department: Community Development

Project Description: The Worldgate Drive Extension is a keystone infrastructure improvement for the Herndon Transit Oriented Core as included in the Metrorail Station Area Plan. Per the area plan adopted as part of the town's comprehensive plan by the Town Council on February 28, 2012, Worldgate Drive will be extended from Van Buren Street to the Herndon Parkway, providing additional capacity to the street network for Metrorail redevelopment. A concept and preliminary engineering has been completed to provide private developers with cost estimates and a detailed concept for right of way dedications. The town is anticipating private development to complete final engineering and construction of the project through redevelopment. A previous allocation of Northern Virginia Transportation Authority HB2313 local 30% share funding covered creation of base engineering and concept plan.

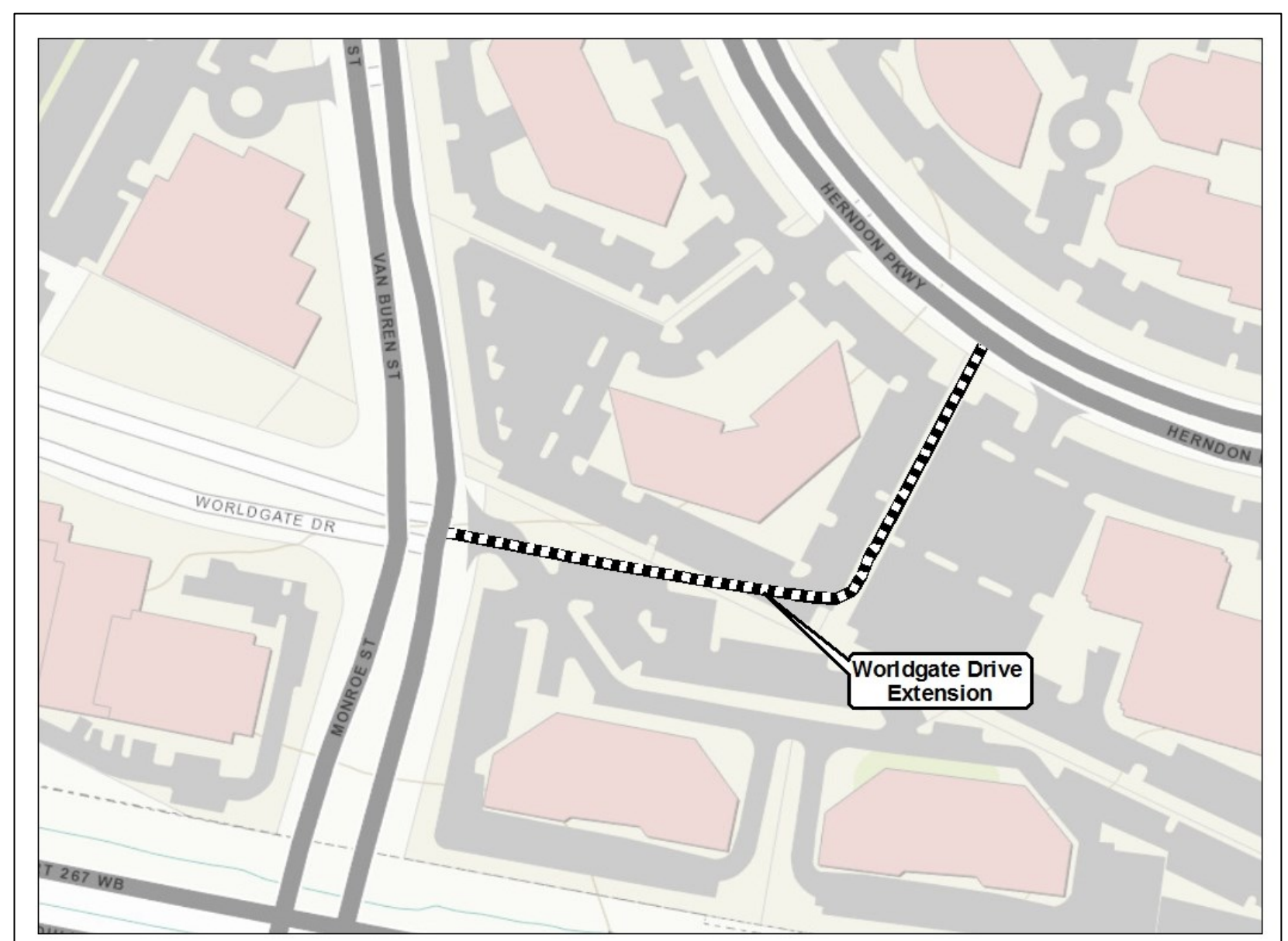
Adopted Goals and Objectives:

From 2035 Vision Plan and Goals :

1. Advocate appropriate access improvements for the opening of the Herndon Station.

From 2030 Comprehensive Plan :

2. Provide enhanced access facilities at the north side of the Herndon Metrorail Station.
3. Continue to support the Herndon Metrotrail Station and develop plans for surrounding access to the station.



amounts indicated = dollars in thousands

		Fiscal Year							
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services			TBD	TBD					0
Equipment/Furniture									0
TOTAL	0	0	0	0	0	0	0	0	0

FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
Private Developers to fund			TBD	TBD					0
TOTAL	0	0	0	0	0	0	0	0	0

GENERAL FUND OPERATING IMPACT:									
Capital Costs									
Debt Service									
Personnel/Operations									
TOTAL									

Sterling Road Multi-Modal Improvements

Project Number: 03-CD-16-002

Project Class: Streets

Department: Community Development

Project Description: This project envisions the reconfiguration of Sterling Road, from Elden Street to Herndon Parkway, to reflect the town's current plans for traffic management and circulation in residential areas. This project is to begin with a study to include a concept design and traffic impact analysis. As part of the study, a warrant analysis will be prepared to determine the need for a signalized intersection with Crestview Drive. The study is also to include the feasibility of a bike facility between Elden Street and the town limits. The general guidance for the concept design is to convert the existing, undivided, three-lane section to a two-lane roadway with a middle lane for turning movements and where appropriate a landscaped median. Proposed improvements will function to enhance traffic mobility, while providing for safer pedestrian and bike accommodations. The project could be eligible for future transportation funding under the Federal roadway surface program, VDOT's revenue sharing program and state HB-2313 allocations as well as a potential candidate through VDOT's Transportation Alternatives Program.

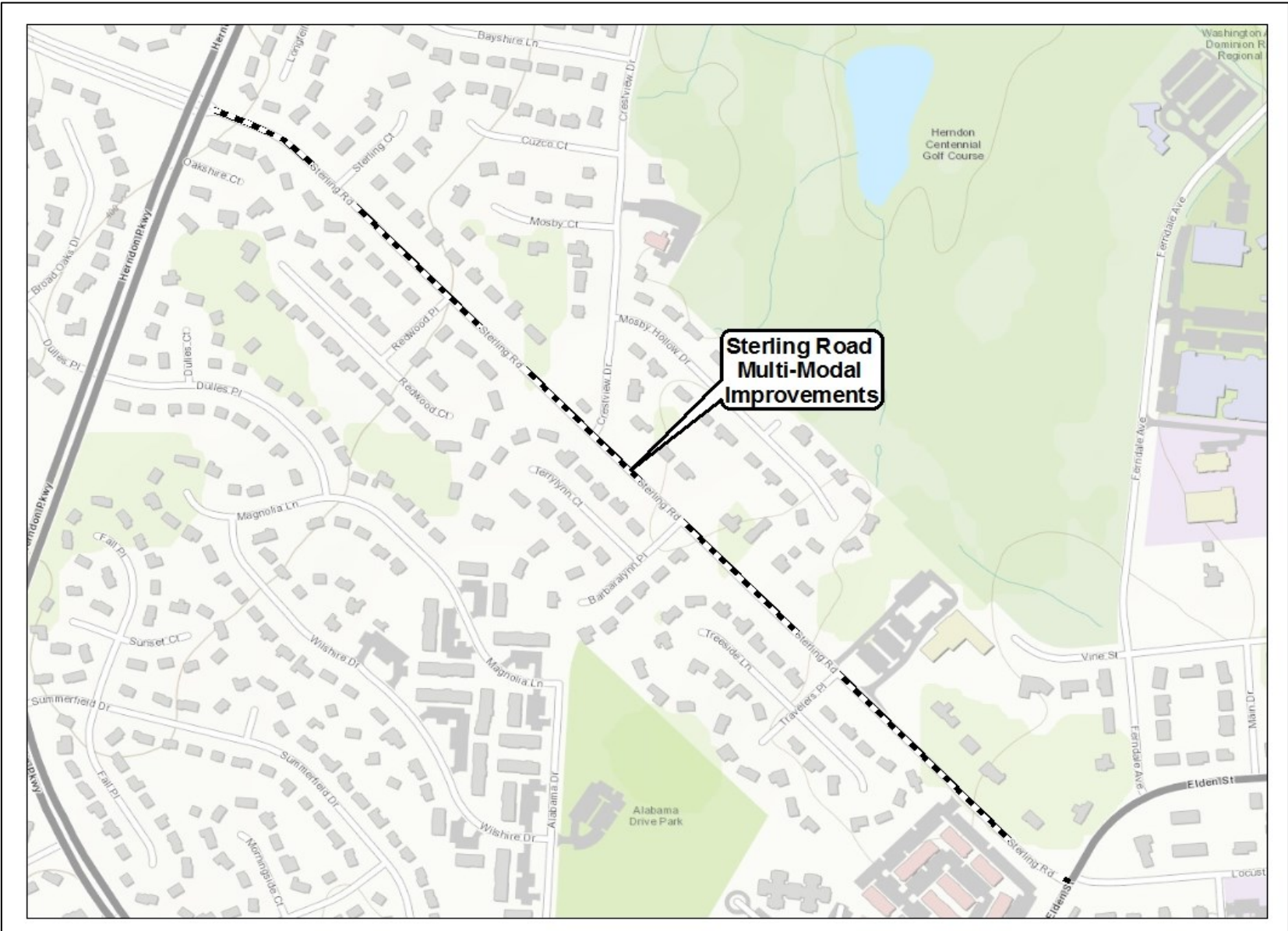
Adopted Goals and Objectives:

From 2035 Vision Plan and Goals

1. Develop long-range plan for multi-modal methods to move people in and around town.
2. Implement the Master Trails Plan to expand pedestrian and bicycle routes, to include the north/south bike route.

From 2030 Comprehensive Plan

3. Facilitate alternative modes of transportation in town.
4. Provide safe streets that are friendly to pedestrians and bicyclists.
5. Continue to integrate pedestrian and bicycle facilities with the street and transit network.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.			148		200				348
Construction and related services						500	1000		1500
Equipment/Furniture									0
TOTAL	0	0	148	0	200	500	1000	0	1848
FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid (TBD)					200	500	1000		1700
HB2313 Local 30%			148						148
TOTAL	0	0	148	0	200	500	1000	0	1848
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									
Total	0	0	0	0	0	0	0	0	0

Bicycle Facilities & Accommodations

Project Number: 03-CD-16-001

Project Class: Streets

Department: Community Development

Project Description: This project will provide funding for bicycle facilities to connect missing links in the Town's bicycle facility network, in compliance with and to advance the Town Council endorsed Fairfax County Bicycle Master Plan. Facilities may include on-street bicycle lane and sharrow markings in addition to off-street bicycle racks. Multiple bicycle improvements included in the Bicycle Master Plan are designed and funded as part of other CIP projects such as East Elden Street and Van Buren Street. This project will implement those bicycle improvements that are not included in a major roadway improvement project. This project is intended to work within existing curb line as a retrofit to improve bicycle level of service. One of the principal connections to be made is the bicycle facility between Spring Street and East Elden Street along Van Buren Street. This links the bicycle lanes planned for Van Buren Street and the bicycle lanes planned for East Elden Street. It also connect to the W&OD trail and serves as the primary north-south bicycle route through Town. This specific project will be constructed with HMSAMS funding which identified the connection as a priority for improved access to the metro Station. Examples of right-of-ways that may fall into this category include:

- Center Street
 - Dranesville Road south of Park Avenue
 - Locust Street
- Station Street north of Center Street
 - Dranesville Road north of Herndon Parkway
 - Van Buren Street north of Spring Street

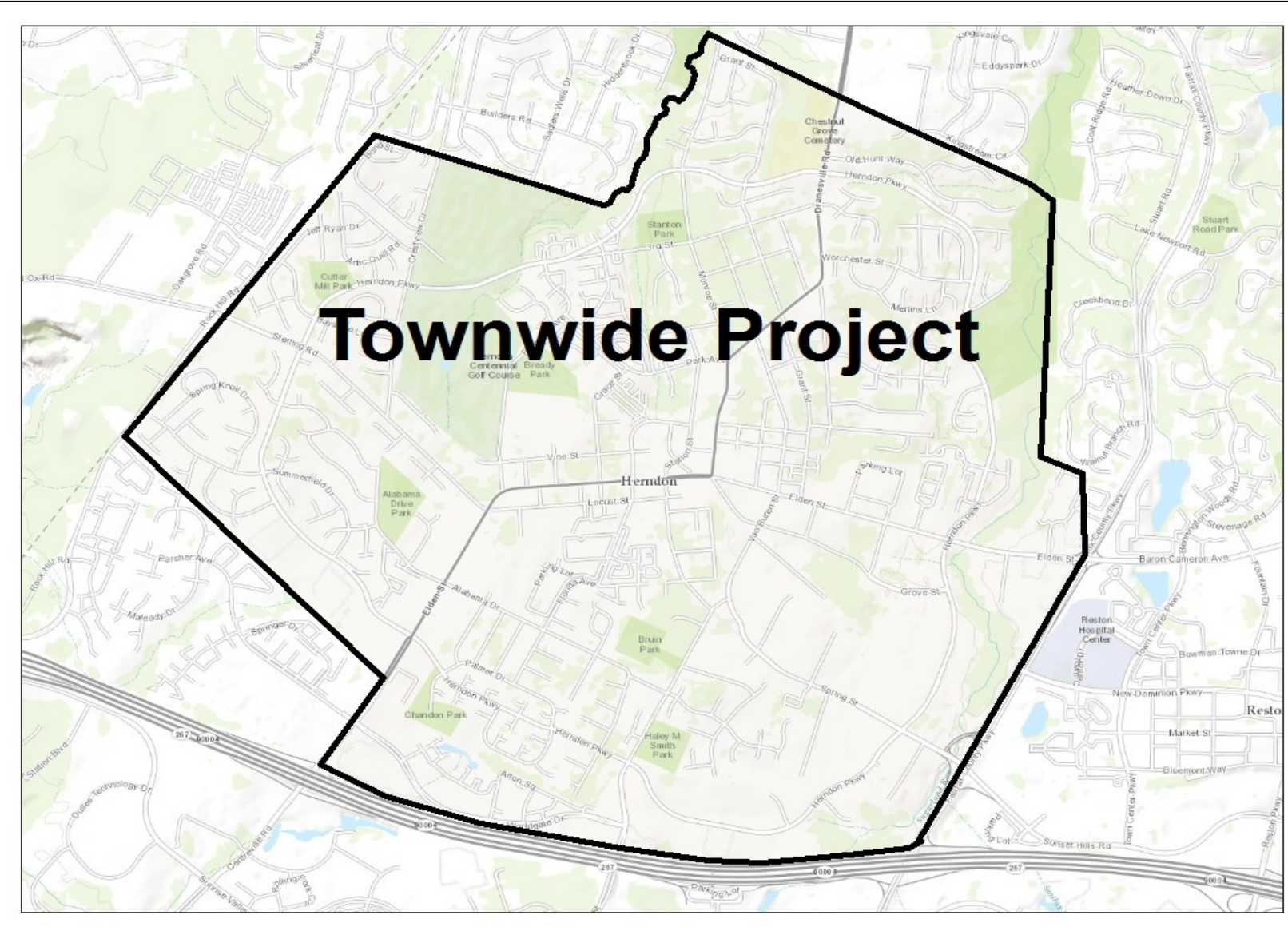
Adopted Goals and Objectives:

From 2035 Vision Plan and Goals

1. Develop long-range plan for multi-modal methods to move people in and around town.
2. Advocate appropriate access improvements for the opening of the metro station.
3. Implement the Master Trails Plan to expand pedestrian and bicycle routes, to include the north/south bike route.

From 2030 Comprehensive Plan

4. Facilitate alternative modes of transportation in town.
5. Provide safe streets that are friendly to pedestrians and bicyclists.
6. Continue to integrate pedestrian and bicycle facilities with the street and transit network.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Previous Allocations	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.			75						75
Construction and related services	10	8	14	10	145				187
Equipment/Furniture		4	2						6
TOTAL	10	12	91	10	145	0	0	0	268

FINANCING SOURCES:									
General Fund	10	12	16	10					48
G.O. Bonds									0
Intergovernmental Aid			75		145				220
Downtown Parking Fund									0
Other -Developer									0
TOTAL	10	12	91	10	145	0	0	0	268

PARKING FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Downtown Streets-Phase 3

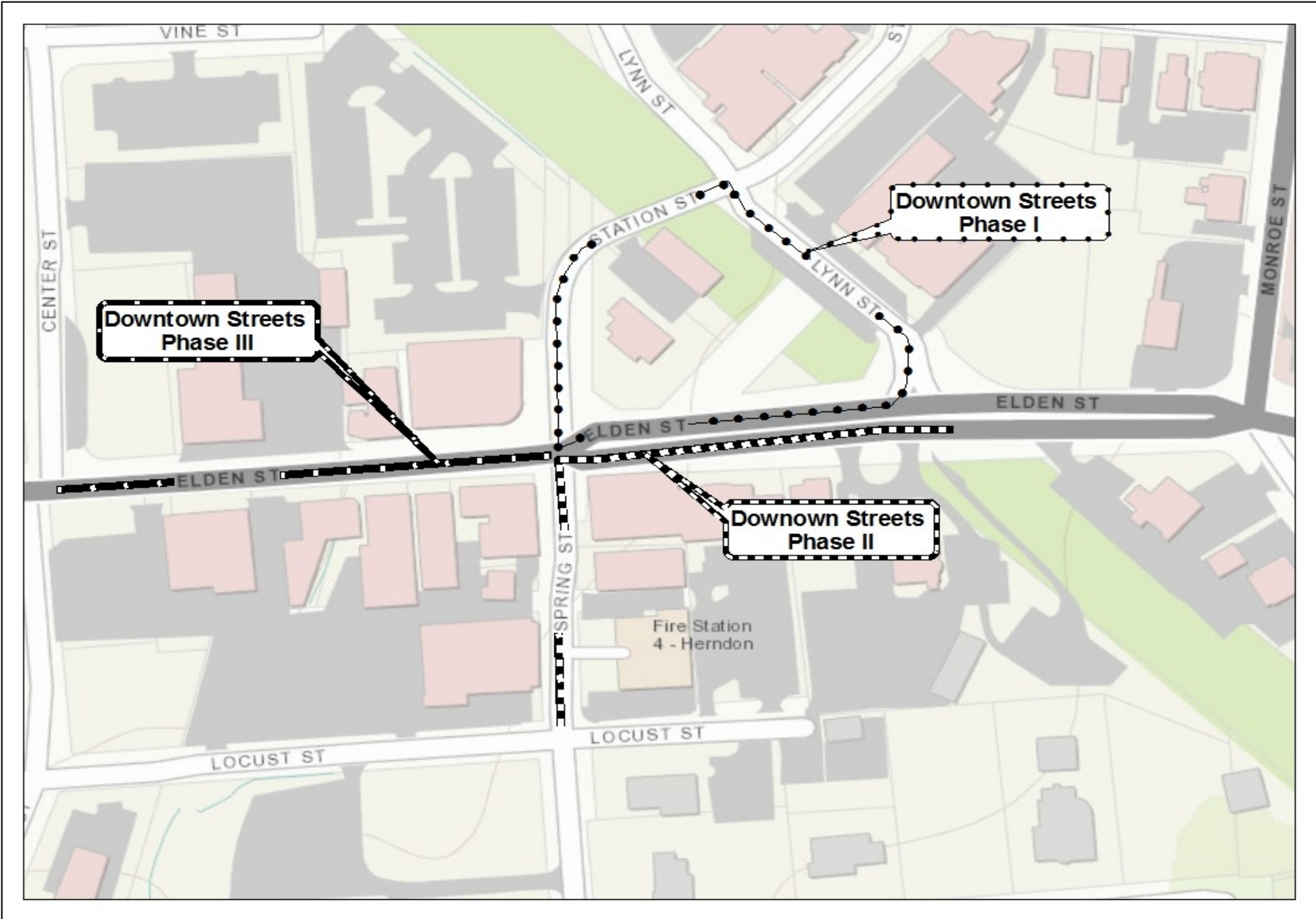
Project Number: 03-ST-96-001A

Project Class: Street

Department: Public Works

Project Description: This is a VDOT Transportation Alternatives Program (TAP-formerly Enhancement) grant project to widen and enhance streetscapes with brick sidewalks, grated tree wells and other features consistent with the "Downtown Streetscape" standards. This project is divided into three phases. Phases 1 and 2 are complete. Phase 3 funding is approved and is shown in Reserves. A private sector project is constructing a large area of streetscape at the corner of Elden and Monroe streets. Right-of-way acquisition is required for Phase 3.

Adopted Goals and Objectives:
Enriching Lives Through Arts and Entertainment:
1. Complete downtown streetscape improvements.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition	50								50
Architecture/Engin./Admin.									0
Construction and related services	550								550
Equipment/Furniture									0
TOTAL	600	0	0	0	0	0	0	0	600

FINANCING SOURCES:									
General Fund									0
G.O. Bonds	120								120
VDOT Enhancement Award	480								480
VDOT Enhancement Award (pending)									0
TOTAL	600	0	0	0	0	0	0	0	600

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Elden-Center Streets Intersection Improvements

Project Number: 03-ST-00-001

Project Class: Street

Department: Public Works

Project Description: This project supports the reconstruction and signalization of the Elden Street/Center Street intersection (the traffic signal at Elden/Grace Street will be retained). Enhancements include brick sidewalks and storm drainage improvements. Existing and future mixed use residential development on Center Street places greater traffic volumes in this project area. Additional revenue sharing funds were obtained in the FY2013 program to support construction of duct banks for future undergrounding of utilities. Construction is being coordinated with the town's pending PPEA redevelopment project on the northeast corner.

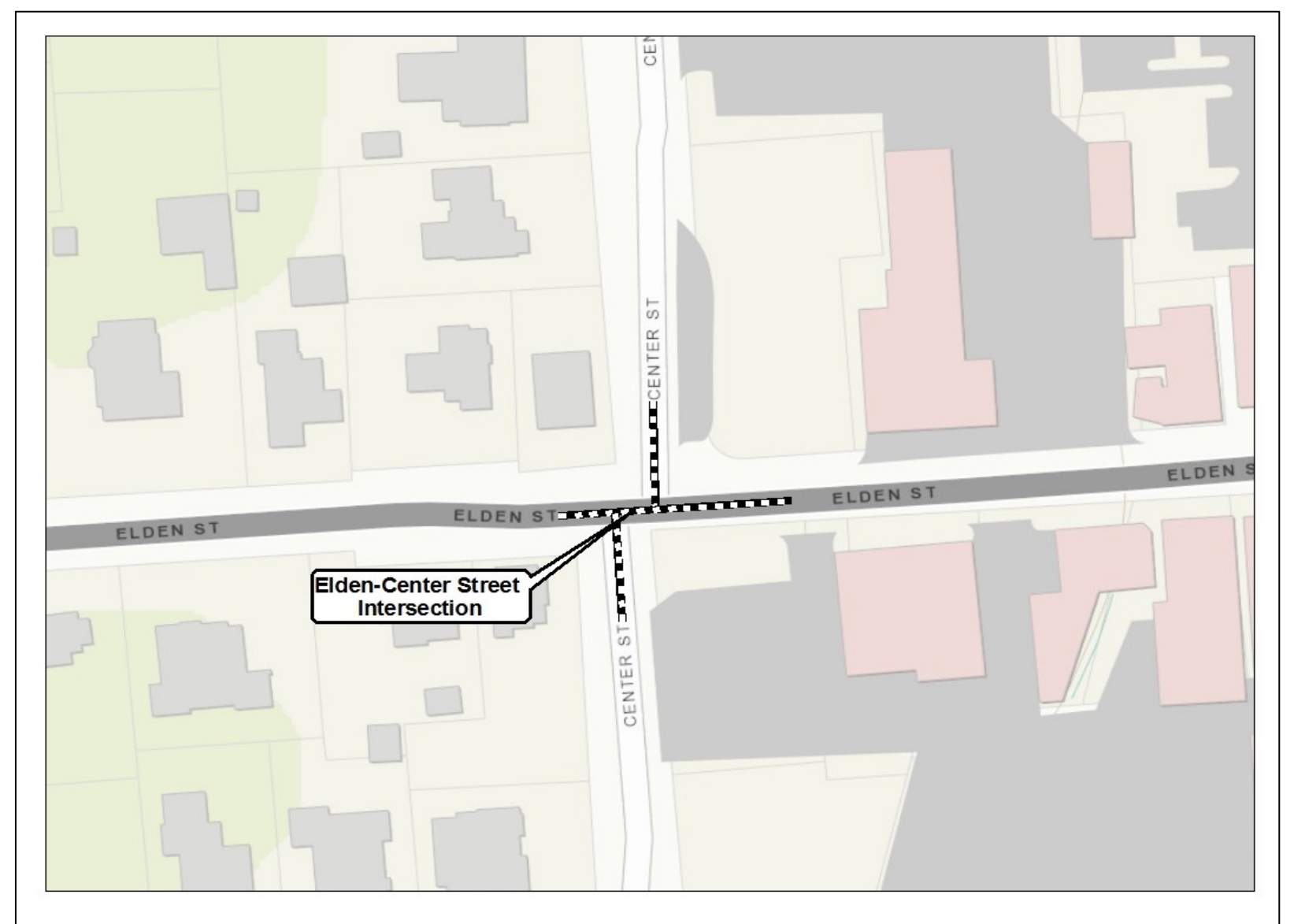
Adopted Goals and Objectives:

Celebrating Community Spirit:

Continue to implement stormwater, sidewalk and street lighting projects in town neighborhoods.

Enriching Lives Through Arts and Entertainment:

Complete downtown streetscape improvements.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition	300								300
Architecture/Engin./Admin.	30								30
Construction and related services	1500								1500
Equipment/Furniture									0
TOTAL	1830	0	0	0	0	0	0	0	1830

FINANCING SOURCES:									
General Fund	25								25
HB2313 Local -30% shared- projected FY15	850								850
G.O. Bonds	180								180
VDOT Revenue Sharing	775								775
TOTAL	1830	0	0	0	0	0	0	0	1830

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

GSA-Major Vehicle/Equipment Replacement

Project Number: 15-TS-96-001

Project Class: Vehicles/Equipment

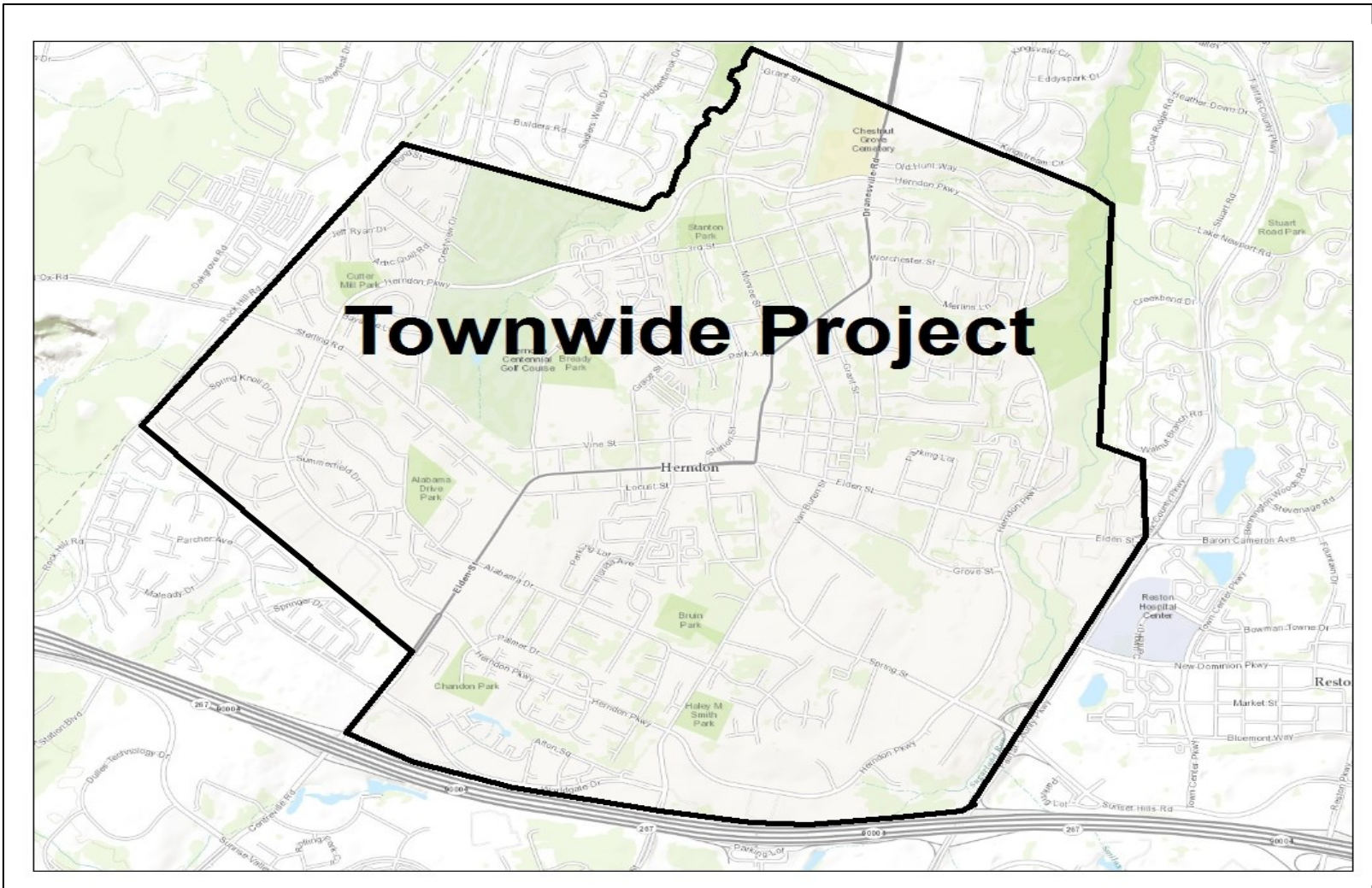
Department: Public Works

Project Description: This program replaces older town vehicles and major equipment over \$50K on a phased basis in concert with their expected useful life. Timely replacement of vehicles and equipment avoids excessive repair costs, unacceptable down time and unsafe levels of operation. Procurement of vehicles and equipment is performed by Invitation for Bid or use of state or local contracts. The following vehicles will be replaced.

FY2018 - 2000 GMC SA C8500 Dump Truck 879	160000	FY2021 - 1993 Long Tractor 681	75000
FY2018 - 2004 International Tandem Dump 893	200000	FY2021 - 1988 Ford Tractor 720	75000
		FY2021 - 1997 Volvo 25 yd. Packer 114	300000
FY2018 - 2003 Ford SA Dump Truck 897	160000	FY2021 - 2000 GMC 1 ton Utility Pickup 706	120000
FY2018 - 2001 Ford Single Axle Dump w/liftgate 108	175000	FY2022 - 1993 Long Tractor 753	75000
		FY2022 - 2002 Ford 1 ton Utility Pickup 763	80000
FY2019 - 1999 Volvo Roll-off truck 117	190000	FY2022 - 2002 Ford 1 ton Utility Pickup 826	80000
FY2019 - 2000 GMC Single Axle Dump 896	160000	FY2022 - 2003 Chevy 1 ton Utility Pickup 705	80000
FY2019 - 2004 Sterling Roll-off Truck 119	195000	FY2023 - 2003 Chevy 1 ton Utility Pickup 712	80000
FY2019 - 2002 Volvo 25 YD Refuse Packer 105	300000	FY2023 - 2004 Ford 1 ton Pickup 453	80000
FY2020 - 1988 Reed Screener 730	60000	FY2023 - 2002 Chevrolet Utility Van 891	80000
FY2020 - 2004 Ford Single Axle Dump w/liftgate 111	175000	FY2023 - 2002 GMC SA Dump Truck 892	175000
FY2020 - 1987 Kubota Tractor 717	75000		
FY2020 -1997 Ford 1Ton Van 707	75000		

Adopted Goals and Objectives:

1. Develop and implement an environmental sustainability plan for the town.
2. Identify best management practices, evaluate what will work best for the town.
3. Maintain and improve our Go-Green status.
4. Ensure modern technologies and incorporated in to the utility infrastructure in Herndon.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services									0
Equipment/Vehicles	420	695	845	385	570	315	415	TBD	3645
TOTAL	420	695	845	385	570	315	415	0	3645

FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Capital Leases	420	695	845	385	570	315	415	TBD	3645
TOTAL	420	695	845	385	570	315	415	0	3645

GENERAL FUND OPERATING IMPACT:									
Capital Costs									
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Town of Herndon FY2018-FY2023 Capital Improvement Program

Streetlights

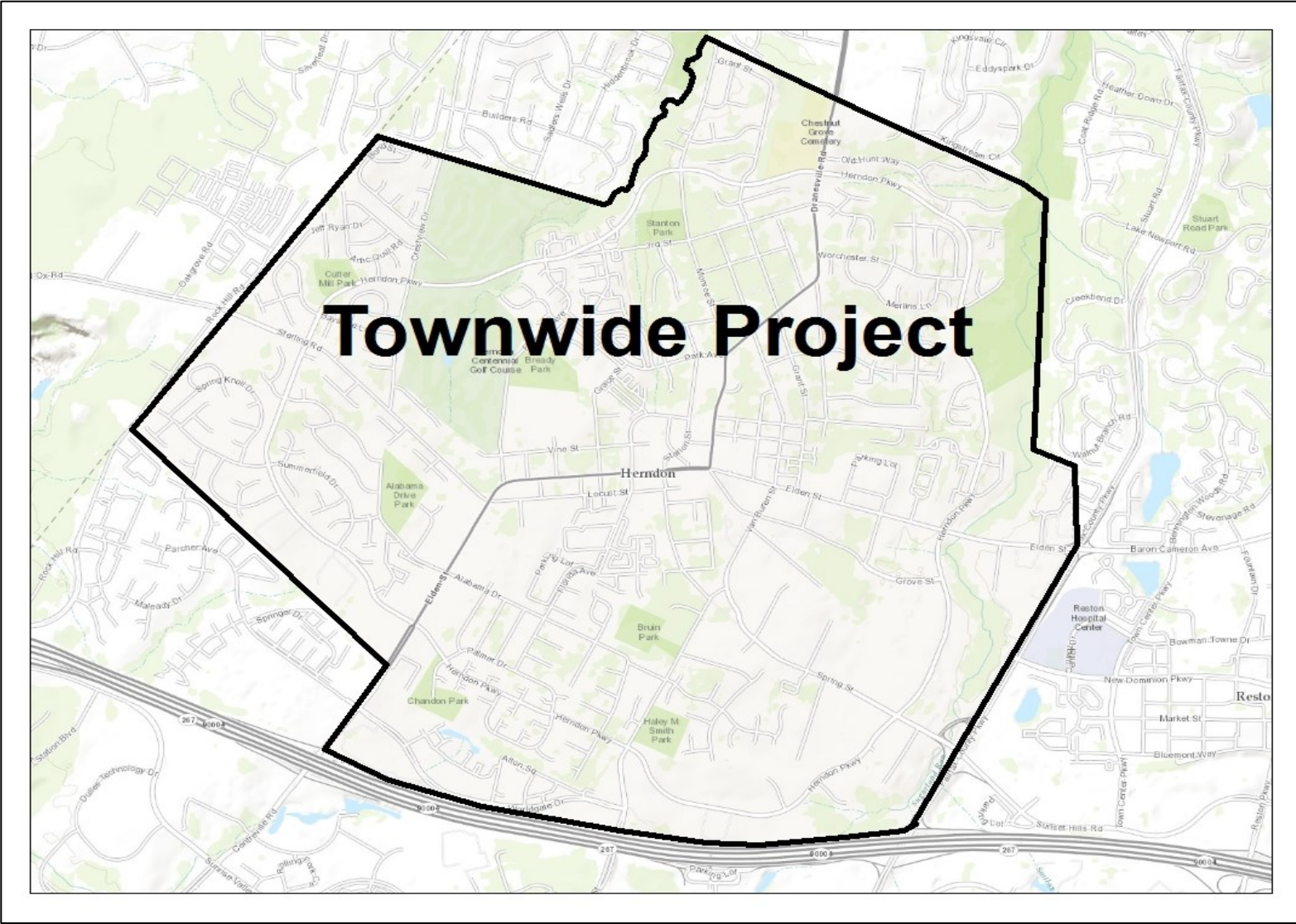
Project Number: 03-ST-94-003Project Class: StreetDepartment: Public Works

Project Description: This project supports the installation of streetlights in the older areas of town as well as between and adjacent to developments that lack street lighting. Streetlights increase traffic safety, provide additional safety for pedestrians, and deter crime. A process for the project selection was developed in FY2009 with an emphasis on safety, police reports, HOA and citizen requests as priority elements. Projects may be reprioritized each year as the program is re-evaluated .

The following projects have been identified by DPW and the Police Department to be considered for design and construction:

	Reserves	FY 2018	FY 2019	FY 2020	FY 2021	FY2022	FY2023
Upgrades to Existing Street Lights - various locations	70						
Van Buren-W&OD to Spring(cobras)		40					
Elden St. - 1000 to 1100 Block (cobras)			80				
Grace Street (acorns)				70			
H Pkwy - Cavendish-Worcester(cobras)					50		
Spring St-VB to Adele Grdn Way(cobras)						75	
H Pkwy -Palmer to Van Buren(cobras)							40

Adopted Goals and Objectives:
Celebrating Community Spirit:
Continue to implement storm water, sidewalk, and street lighting projects in town neighborhoods.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	70	40	80	70	50	75	40		425
Equipment/Furniture									0
TOTAL	70	40	80	70	50	75	40	0	425

FINANCING SOURCES:									
General Fund	70	22	80	70	50	75	40		407
G.O. Bonds									0
Intergovernmental Aid									0
Huntmar Bond		18							18
Other									0
TOTAL	70	40	80	70	50	75	40	0	425

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Storm Drainage Improvements

Project Number: 05-SM-96-001

Project Class: Storm Drainage

Department: Public Works

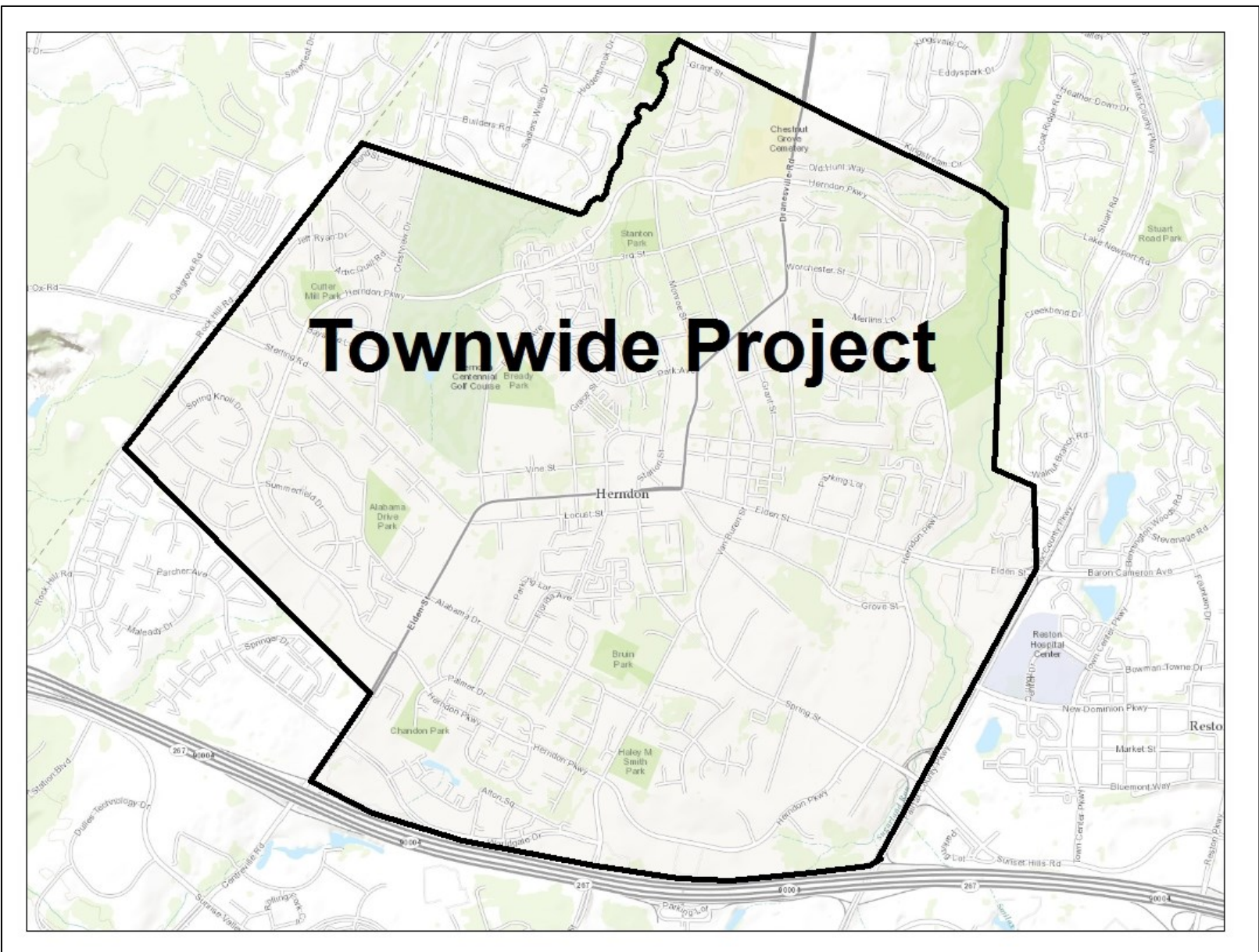
Project Description: This CIP program addresses local area drainage problems. This program may also fund drainage elements of town projects. A portion of the Fairfax County Stormwater Tax Revenues will be assigned to this program each year. The figure of \$300,000 for FY2022 that is shown below is based on \$60,000 per year of stormwater tax revenues accumulating from FY17 to FY22 towards construction phases.

	Reserves	FY 2021	FY 2022	FY 2023
Spring Street, Nash to Van Buren				250
Van Buren, Park to First Street	80		300	
Van Buren/Fillmore Area Study	100			
Small Area Drainage Improvements	70			
Total	250	0	300	250

Adopted Goals and Objectives:

Celebrating Community Spirit:

1. Continue to implement storm water, sidewalk, and street lighting project in town neighborhoods.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	180						250		430
Construction and related services	70					300			370
Equipment/Furniture									0
TOTAL	250	0	0	0	0	300	250	0	800
FINANCING SOURCES:									
Fairfax Co. Stormwater Tax Revenue						300	250		550
Pro Rata and General Funds	250								250
Intergovernmental Aid									0
TOTAL	250	0	0	0	0	300	250	0	800
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Buildings - Major Maintenance

Project Number: 09-BD-04-001

Project Class: Buildings

Department: Public Works

Project Description: This project supports large maintenance and repair projects for town-owned facilities. Planned projects are listed below for the next two fiscal years. Out-year project funding amounts are estimated costs for a building maintenance and repair program that will include HVAC replacements, roof replacements and other refurbishment of town facilities.

Projects Using Reserve Funds:

HMC Brick Paver Walkway Replacement (construction) - \$200K
Carroll Cabin restoration (construction) - \$60K

FY 2018 Projects

Comm. Ctr. Pool Lighting System - \$10K (design)

HPD Server Room HVAC - \$80K
HMC Server Room Stand-by Generator - \$80K
Energy Audits - \$55K
HMC Server Room HVAC Upgrade - \$35K

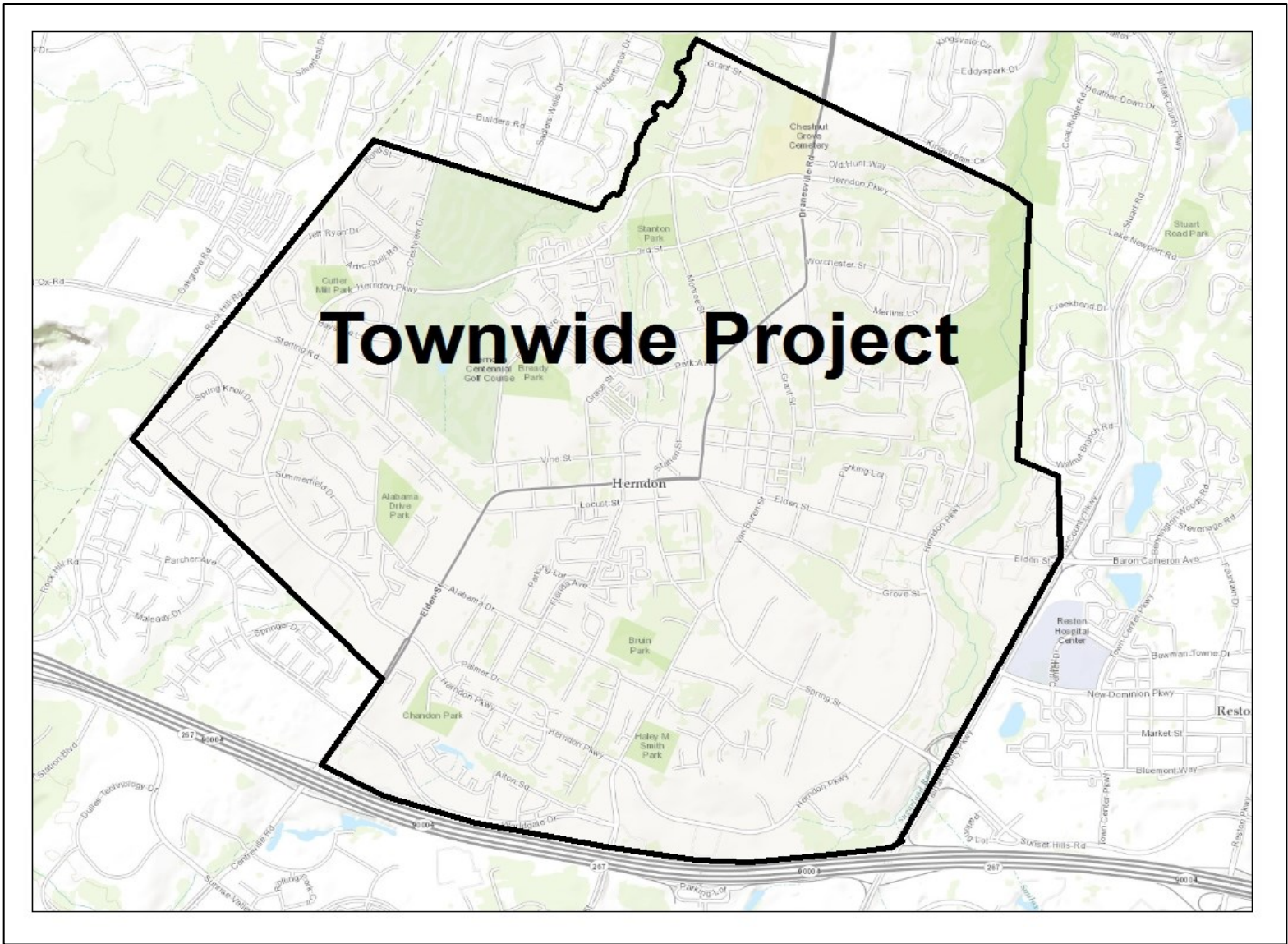
FY2019 Projects

Comm. Ctr. Pool Lighting System - \$75K (install)
397 Herndon Parkway Brick Restoration - \$60k
397 Herndon Parkway Lintel Painting - \$50K
HMC Vertical Planters - \$120K

Adopted Goals and Objectives:

2030 Comprehensive Plan:

1. Public Services- Ensure that adequate public facilities exist to support the needs of town residents and businesses.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	260	260	305	310	410	350	450	TBD	2345
Equipment/Furniture									0
TOTAL	260	260	305	310	410	350	450	0	2345

FINANCING SOURCES:									
General Fund	260	260	305	310	410	350	450	TBD	2345
G.O. Bonds									0
Intergovernmental Aid									0
Capital Leases									0
Other									0
TOTAL	260	260	305	310	410	350	450	0	2345

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Sidewalks and Minor Trails

Project Number: 03-CD-08-001

Project Class: Street

Department: Public Works

Project Description: This project provides funding for the replacement of brick sidewalks and for trail and sidewalk segments that are planned per the Master Trails Plan in the town's 2030 Comprehensive Plan. This project does not address trails designated as Regional (Folly Lick, Sugarland Run, Van Buren Street). Funding for projects is determined based upon a continuing project assessment and the need for trail easements on private properties. Future applications for Transportation Alternatives Program may be a factor in determining project

Sidewalks	
FY18, FY19-Downtown Brick sidewalks	500k
FY2020 - Locust St. - Fifth to Elden Street	190k
FY2021 - Dranesville Road at Madison Street corne	85k
FY2022 - Locust St.- Spring Center St. South Side	260k
FY2023 - Center St. -west side Vine to Elden St.	80k
FY2024 - H Pkwy south side Crestview to Ferndale	250k
FY2025 - Locust St. - North segment (#910-#906)	45k
FY2026 - Madison - Monroe St. to Quincy St	20k
FY2027 - Monroe St - Elden to Van Buren St.	100k

Trails	
Third St. (east of Dranesville Rd) to Herndon Pkwy	75k
Need Easement - Vine St. to Sterling Rd.	30k
Need Easement - Florida Ave. to H. Pkwy	15k
Need Easement - Spring Park Place to W&OD Trail	15k
Need Easement - Palmer Drive to Campbell Way	45k
Need Easement - 200 Spring St. to W&OD Trail	10k
Need Easement - Spring St. to Quadrangle Dev.	100k
Need Easement - Huntsman Place Trail Connection	100k
Nash - Spring St. to Pearl St.	TBD

Adopted Goals and Objectives:

Celebrating Community Spirit:

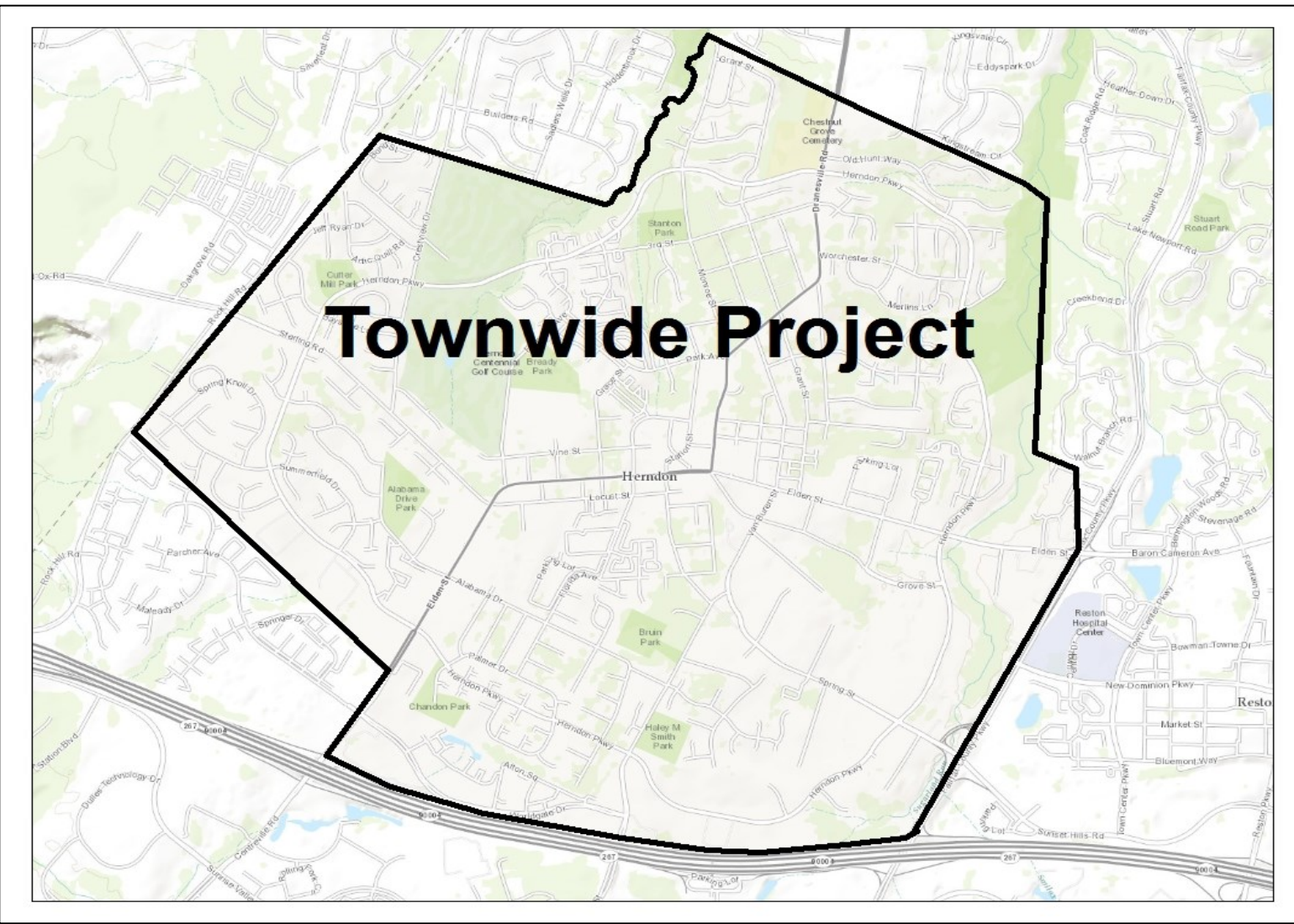
1. Continue to implement stormwater, sidewalk, and street lighting projects in town neighborhoods.

2030 Comprehensive Plan:

Master Trails Plan.

Cultivating A Sustainable Environment:

3. Implement the Master Trails Plan to expand pedestrian and bicycle routes, to include the north/south bike route.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services		250	250	190	85	260	TBD	TBD	1035
Equipment/Furniture									0
TOTAL	0	250	250	190	85	260	0	0	1035

FINANCING SOURCES:									
General Fund									0
G.O. Bonds		250	250	190	85	260	TBD	TBD	1035
Safe Routes To School Program									0
Fairfax Co. Funding									0
TOTAL	0	250	250	190	85	260	0	0	1035

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Herndon Parkway/Van Buren St. Intersection

Project Number: 02-CD-08-001

Project Class: Traffic Control

Department: Public Works

Project Description: This project provides for significant transportation improvements in order to relieve congestion and improve safety. This project focuses on the Herndon Parkway intersection with South Van Buren Street. Sterling Road/Herndon Parkway has separate funding and is shown as the next general fund project in the CIP. A concept study was completed in FY2014, resulting in Town Council adopting a preliminary plan for the intersection. Funding to date includes Regional Surface Transportation Program monies as well as HB2313 Regional 70% share funding. The intersection connects two Urban Minor Arterials that provide linkage to Fairfax County and access to redevelopment areas of the Herndon Transit Oriented Core as well as the future Herndon Metrorail station.

The project schedule anticipates design in finalization, utility relocation and right of way acquisition in FY2017 and construction in FY2018.

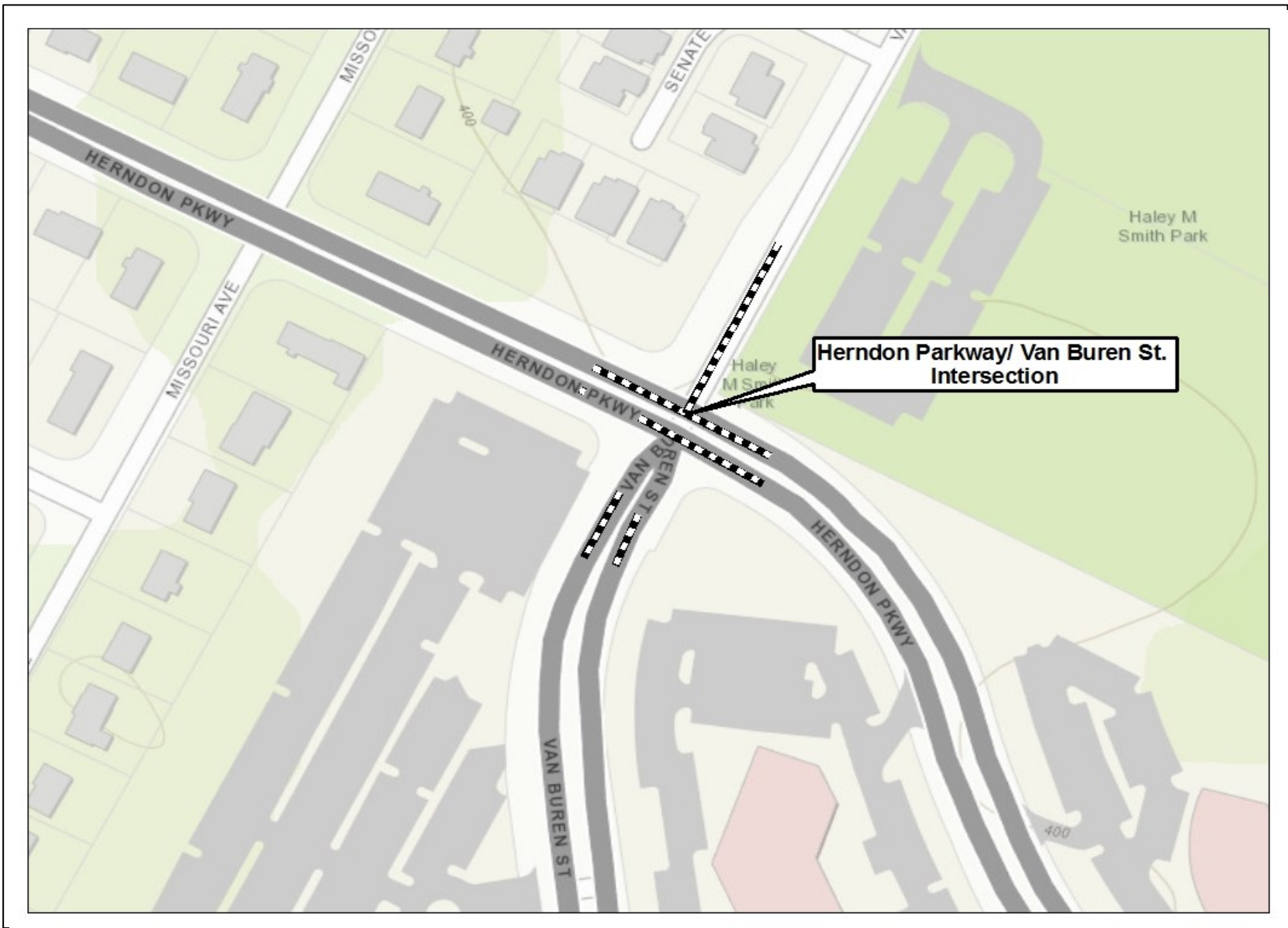
Adopted Goals and Objectives:

Cultivating a Sustainable Environment:

1. Advocate appropriate access improvements for the opening of Herndon Station.

Cultivating a Sustainable Environment:

2. Continue initiatives to have through traffic use the Herndon Parkway instead of internal streets.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition	500								500
Architecture/Engin./Admin.									0
Construction and related services	2100								2100
Equipment/Furniture									0
TOTAL	2600	0	0	0	0	0	0	0	2600
FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
RSTP	2100								2100
HB2313 Regional (Projected FY14)	500								500
TOTAL	2600	0	0	0	0	0	0	0	2600
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Herndon Pkwy/Sterling Road Intersection

Project Number: 15-DPW-15-001

Project Class: Traffic Control

Department: Public Works

Project Description: Town Council directed a package of improvements after a number of alternatives were developed and public input was obtained, including a public meeting in December 2013 and a Town Council public hearing in March 2014. Improvements for capacity and safety were constructed in the summer of 2014 and included lane reconfiguration within existing right of way. Design of a sidewalk along the north side of Sterling Rd. is currently underway and will utilize remaining HB2313 funding assigned to the project.

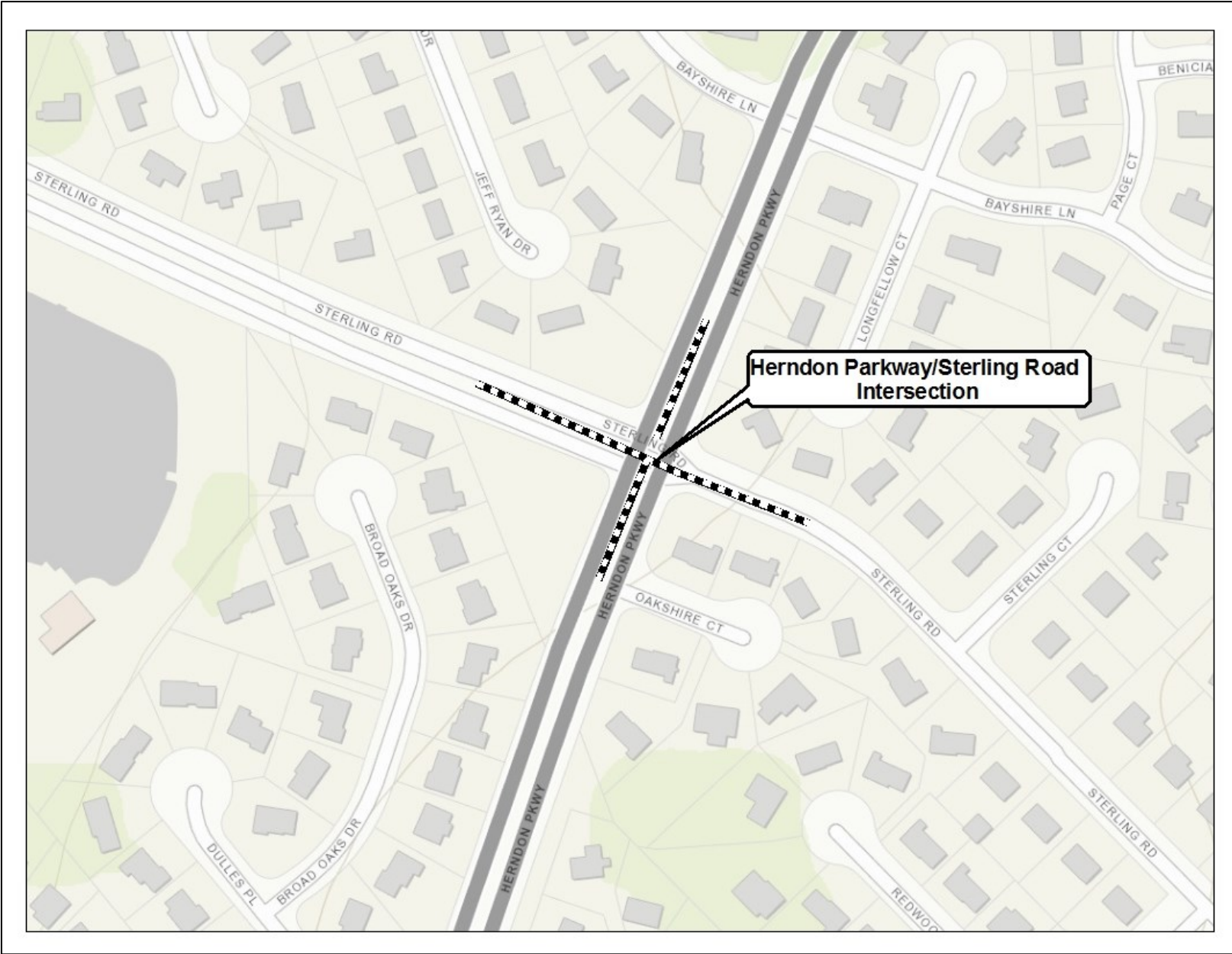
Adopted Goals and Objectives:

Cultivating a Sustainable Environment:

1. Continue initiatives to have through traffic use the Herndon Parkway instead of internal streets.

Celebrating Community Spirit:

2. Continue to implement storm water, sidewalk, and street lighting projects in town neighborhoods.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	330								330
Equipment/Furniture									0
TOTAL	330	0	0	0	0	0	0	0	330

FINANCING SOURCES:									
General Fund	80								80
G.O. Bonds									0
RSTP									0
HB2313 Regional (Approved FY14)	250								250
TOTAL	330	0	0	0	0	0	0	0	330

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Herndon Pkwy/Spring St Intersection to F. Co. Pkwy

Project Number: 15-DPW-15-002

Project Class: Traffic Control

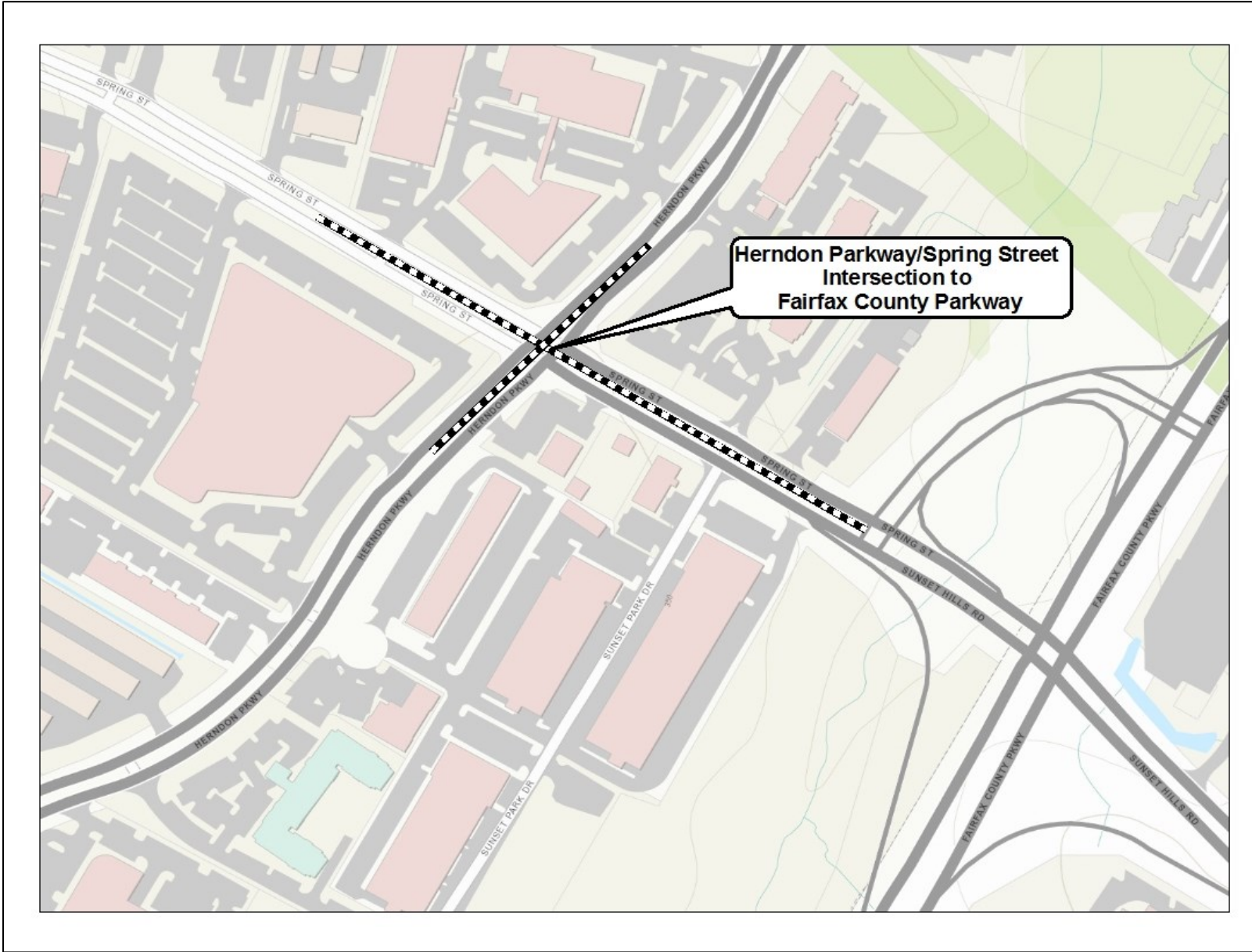
Department: Public Works

Project Description: Widen and reconstruct Spring Street from 4 to 6 lanes between Fairfax County Parkway and Herndon Parkway; project limits extend westward approximately 650 feet west of Herndon Parkway; add turning lanes on approaches to the intersection of Herndon Parkway and Spring Street; reconfigure the Fairfax County Parkway off-ramp at Spring Street to accommodate an exclusive southbound left turn lane; add dedicated northbound right turn lanes on Herndon Parkway at Spring Street; add a second left turn lane on southbound Herndon Parkway at Spring Street; reconfigure existing traffic signals. Create a safe pedestrian crossing of the ramp to southbound Fairfax County Parkway along the southern side of Spring Street and connect the crossing to nearby sidewalks. Enhance safety facilities for pedestrians, cyclists and transit users. VDOT will administer this project and will design and build the project based on the funding shown. \$500,000 in RSTP has been requested for FY23; this amount not shown below; decision expected by end of FY17.

Adopted Goals and Objectives:

Cultivating a Sustainable Environment:

- 1. Continue the initiative to have through traffic use the Herndon Parkway instead of internal streets.
- 2. Through thoughtful planning the town has a network of sidewalks, trails, streets and connections to public transportation that provides residents the opportunity for one-car or no-car living.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition		169	1276	555					2000
Architecture/Engin./Admin.		650							650
Construction and related services				816	3039	200			4055
Equipment/Furniture									0
	0	819	1276	1371	3039	200	0	0	6705

FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
RSTP				90	415	200			705
VDOT Smartscale Funding		819	1276	1281	2624				6000
TOTAL	0	819	1276	1371	3039	200	0	0	6705

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Downtown Utility Relocation

Project Number: 03-ST-11-001

Project Class: Street

Department: Public Works

Project Description: A significant cost element of downtown redevelopment is the undergrounding/relocation of utilities. For an initial phase, the town installed underground duct bank for future relocation of overhead utilities through the Federal American Recovery and Reinvestment Act of 2009 (ARRA stimulus program). The project installed duct banks in Elden Street (from Spring/Station to east of Lynn Street) and through the intersection of Elden and Spring/Station. Duct bank installation along Spring Street, not completed with the ARRA project, was completed in 2014 prior to Phase 2 of the Downtown Streetscape project. Duct bank in Station Street from Elden to the W&OD is the next segment to be constructed. The FY2012 Adopted Budget increased the town's meals tax rate to 2.5 percent, and \$150,000 of the additional collections is dedicated toward downtown utility relocation. This revenue will support debt service on G.O. bonds to fund construction. Future proffer contributions may also assist with funding this project. Proffers from approved projects include \$50,000 from the Herndon Fire Station and \$75,000 from the Vinehaven residential project (\$75,000 not shown in reserves-expected to be encumbered in FY16). In Estimated Reserves, an order of magnitude estimate is noted to underground wires on Elden Street, from Monroe to possibly Center Street.

Adopted Goals and Objectives:

Enriching lives through Arts and Entertainment:

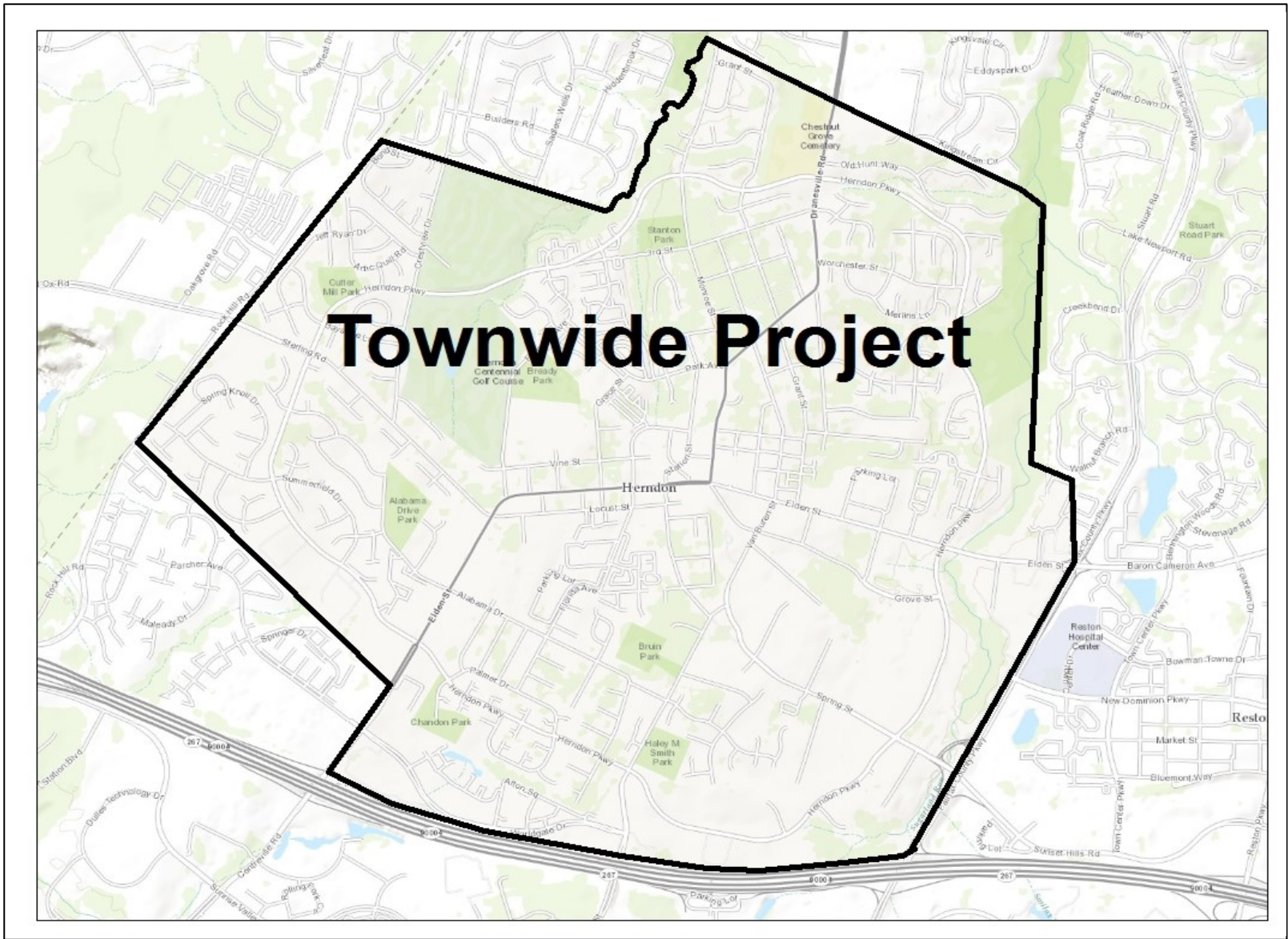
1. Complete downtown streetscape improvements.

2030 Comprehensive Plan:

2. Goals for downtown - Create a safe, pedestrian-friendly environment.

3. Goals for downtown - Create a singularly attractive downtown.

4. Public Facilities - Continue to place new and existing lines underground.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	2925								2925
Equipment/Furniture									0
TOTAL	2925	0	0	0	0	0	0	0	2925

FINANCING SOURCES:									
General Fund	150								150
G.O. Bonds	2600								2600
Intergovernmental Aid									0
Proffer + \$125K developer contribution	175								175
TOTAL	2925	0	0	0	0	0	0	0	2925

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service		175	175	175	175	175	175	2450	3500
Personnel/Operations									0
TOTAL	0	175	175	175	175	175	175	2450	3500

Major Road Repaving Projects

Project Number: 03-ST-12-003Project Class: StreetDepartment: Public Works

Project Description: This project supports major maintenance of the town's arterial street network. Significant increases in asphalt costs over the past several years has resulted in a back log and delay in keeping up with scheduled resurfacing of the major road ways. These costs are so high, they take up the majority of resurfacing funds reimbursed by the state. By creating a CIP fund for the major roads, more funds can be dedicated to secondary roads and subdivision streets that are starting to fail.

The proposed paving program has been structured to complete segments that were previously delayed for maintenance. Funding will be used to complete the projects listed below. Asphalt milling, concrete curb and gutter replacement, repaving, restriping and traffic loop replacement are the major project elements to be completed. The FY2012 adopted Budget increased the town's meals tax rate to 2.5 percent. A portion of the additional collections (\$250,000) is dedicated toward major road repaving.

FY2018 - Elden Street from Sterling Road to Herndon Parkway
FY2019 - Herndon Parkway from Sterling Road to Elden Street (inner loop)
FY2020 - Herndon Parkway from Sterling Road to Elden Street (outer loop)
FY2021 - Replace Elden Street Bomanite
FY2022 -Worldgate Drive from Elden Street to Wilshire Lane

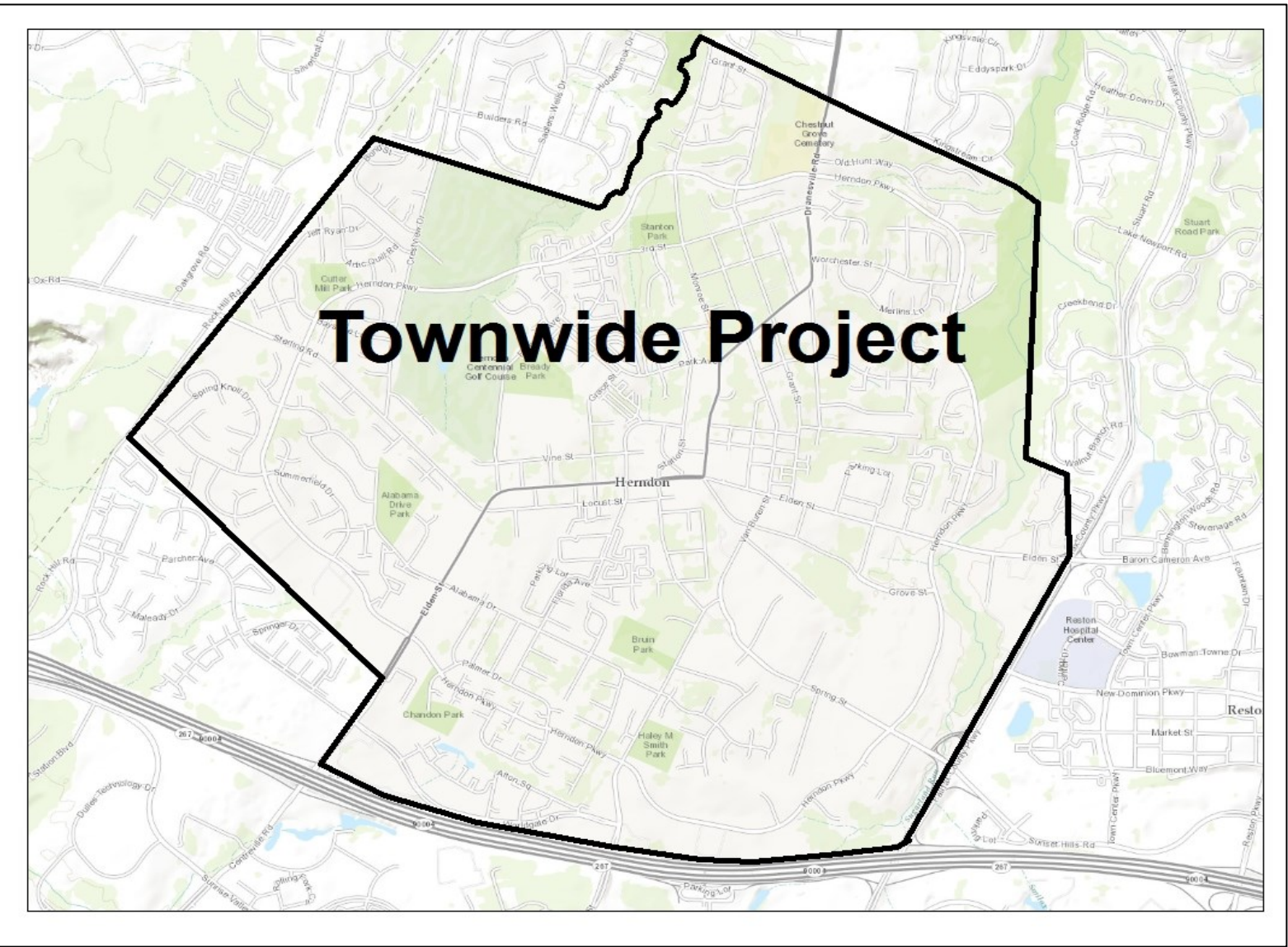
Adopted Goals and Objectives:

2030 Comprehensive Plan:

- 1. To provide a transportation system that safely accommodates local traffic

2030 Comprehensive Plan:

- 2. Provide safe streets that are friendly to pedestrians and bicyclists



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	25	250	250	250	250	250			1275
Equipment/Furniture									0
TOTAL	25	250	250	250	250	250	0	0	1275

FINANCING SOURCES:									
General Fund	25	250	250	250	250	250			1275
G.O. Bonds									0
Intergovernmental Aid									0
Other - VDOT Revenue Grant									0
Other									0
TOTAL	25	250	250	250	250	250	0	0	1275

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0		0

Elden-Monroe Intersection Improvements

Project Number:

Project Class: Street

Department: Public Works

Project Description: This project redesigns and reconstructs the intersection of Monroe-Elden Streets. This project will link the East Elden Project, the Downtown Streetscape Project, and the Elden-Monroe private development project. Enhancements include a new traffic signal, brick crosswalks, sidewalks and storm drainage improvements. A state revenue sharing grant will support the project.

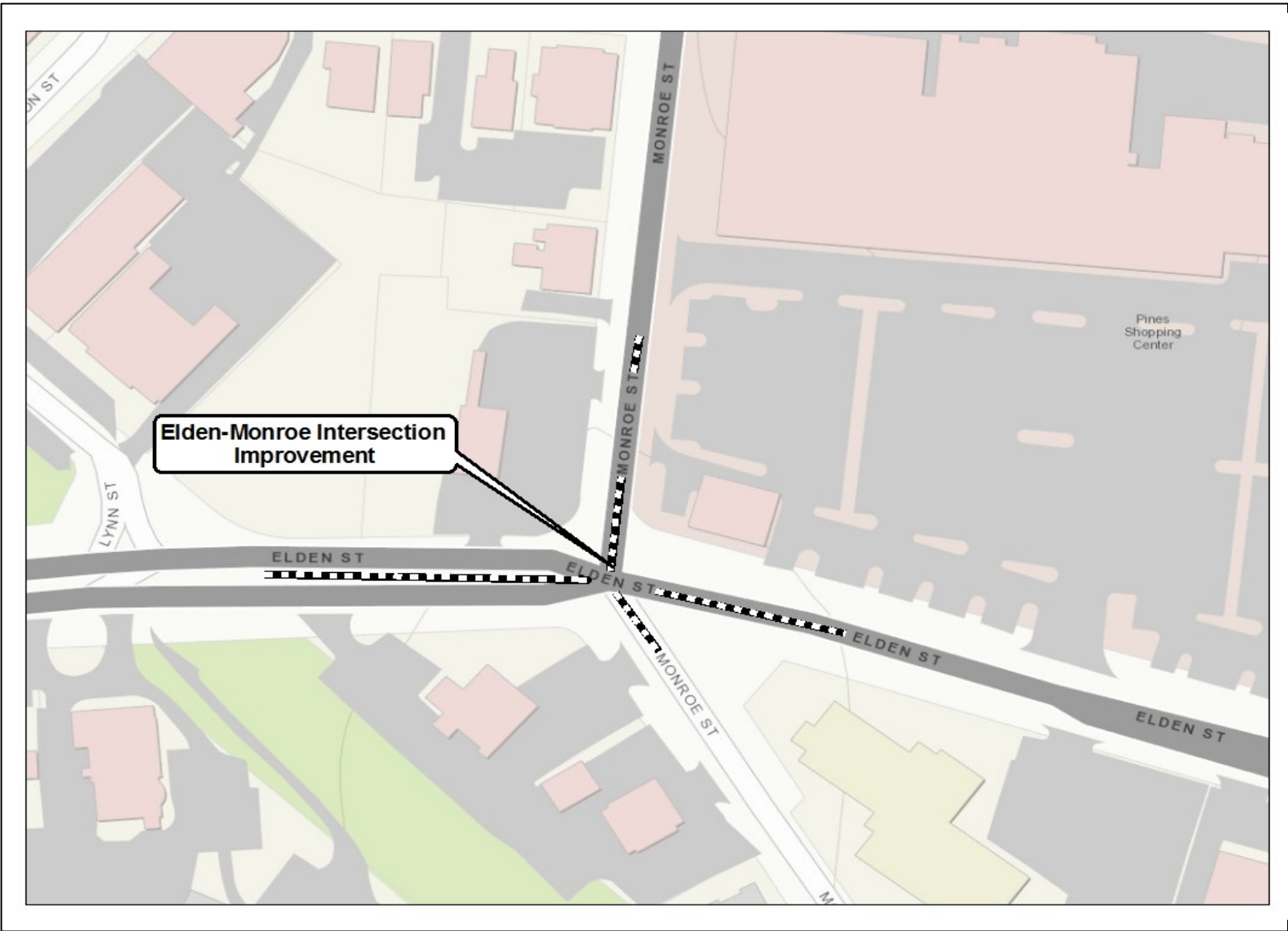
Adopted Goals and Objectives:

Enriching Lives Through Arts and Entertainment:

- 1. Complete downtown streetscape improvements.

Celebrating Community Spirit:

- 2. Continue to implement stormwater, sidewalk, and streetlighting projects in town neighborhoods.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition	200								200
Architecture/Engin./Admin.	150								150
Construction and related services			900						900
Equipment/Furniture									0
TOTAL	350	0	900	0	0	0	0	0	1250

FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
HB2313 Local 30%	327		275						602
Revenue Sharing Grants - (Pending)			625						625
CIP Reallocation	23								23
TOTAL	350	0	900	0	0	0	0	0	1250

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Monroe Street Improvements

Project Number: Project Class: Street Department: Public Works

Project Description: This project adds curb and gutter and new sidewalk to the west side of Monroe Street from 761 Monroe to 815 Monroe, and on the east side of Monroe Street from 760 Monroe to approximately 170 feet north of Monroe Hill Court. Monroe Street will be widened to match improvements that have been constructed on both ends of the project. Storm drainage, lighting, and paving are included in the project. Grant funding may be pursued for the project in future grant applications. Potential sources include VDOT revenue sharing, HB2313 local funding and other sources.

Adopted Goals and Objectives:

Celebrating Community Spirit:

- 1. Continue to implement stormwater, sidewalk, and street lighting projects in town neighborhoods.

Comprehensive Plan:

- 2. Provide safe streets that are friendly to pedestrians and bicyclists.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition					300				300
Architecture/Engin./Admin.									0
Construction and related services				665		TBD			665
Equipment/Furniture									0
TOTAL	0	0	0	665	300	TBD	0	0	965
FINANCING SOURCES:									
General Fund						TBD			0
HB2313 30% local funding				650	300	TBD			950
Proffer- Madison Single Lot Development				15					15
TOTAL	0	0	0	665	300		0	0	965
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Town Support Facilities

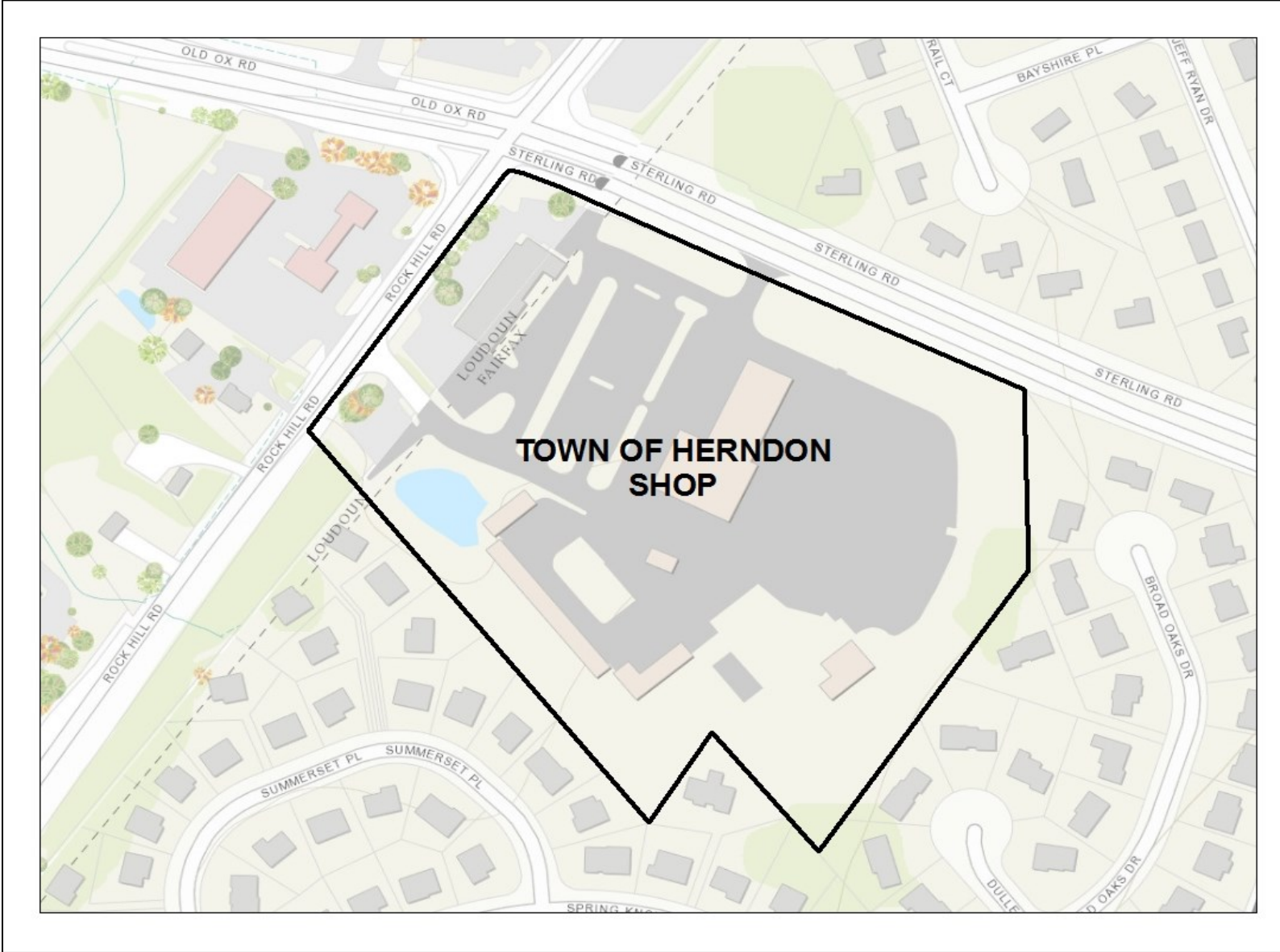
Project Number: 03-ST-00-001 Project Class: Building Major Maintenance Department: Public Works

Project Description: The project will create additional space for town operations including water and sewer crews that are currently operating out of the building at 1481 Sterling Road (former Police Station). The project will either expand the rear of the town shop located at 1479 Sterling Road or improve the 1481 Sterling Road building. The additional space needed is 2,800 square feet. This includes allowances for office space, storage, bathrooms and meeting rooms. The town shop is the Department of Public Works Maintenance Facility.

Adopted Goals and Objectives:

2030 Comprehensive Plan:

- 1. Public Services - Ensure that adequate public facilities exist to support the needs of town residents and businesses.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	80								80
Construction and related services		TBD							0
Equipment/Furniture									0
TOTAL	80	0	0	0	0	0	0	0	80
FINANCING SOURCES:									
General Fund	80								80
Bonds/Municipal Loans		TBD							0
Availability Fee Fund									0
Other Funding Sources									0
TOTAL	80	0	0	0	0	0	0	0	80
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Information Technology

Project Number: 16-IT-97-001Project Class: Information TechnologyDepartment: Information Technology

Project Description:

FY 2018 - Desktop Phone Modernization - Replace desktop phone models manufactured ten or more years ago.
FY 2018 - HMC conference room wireless project - Provide the necessary equipment, engineering and infrastructure to allow for guest Wi-Fi access in the HMC conference rooms and lobby area.
FY2019 - Network infrastructure upgrades (HMC) - Replace end-of-life the network infrastructure components originally installed in 2012 at HMC, Town Hall, Community Center, Town Shop, Golf Course and Zoning.

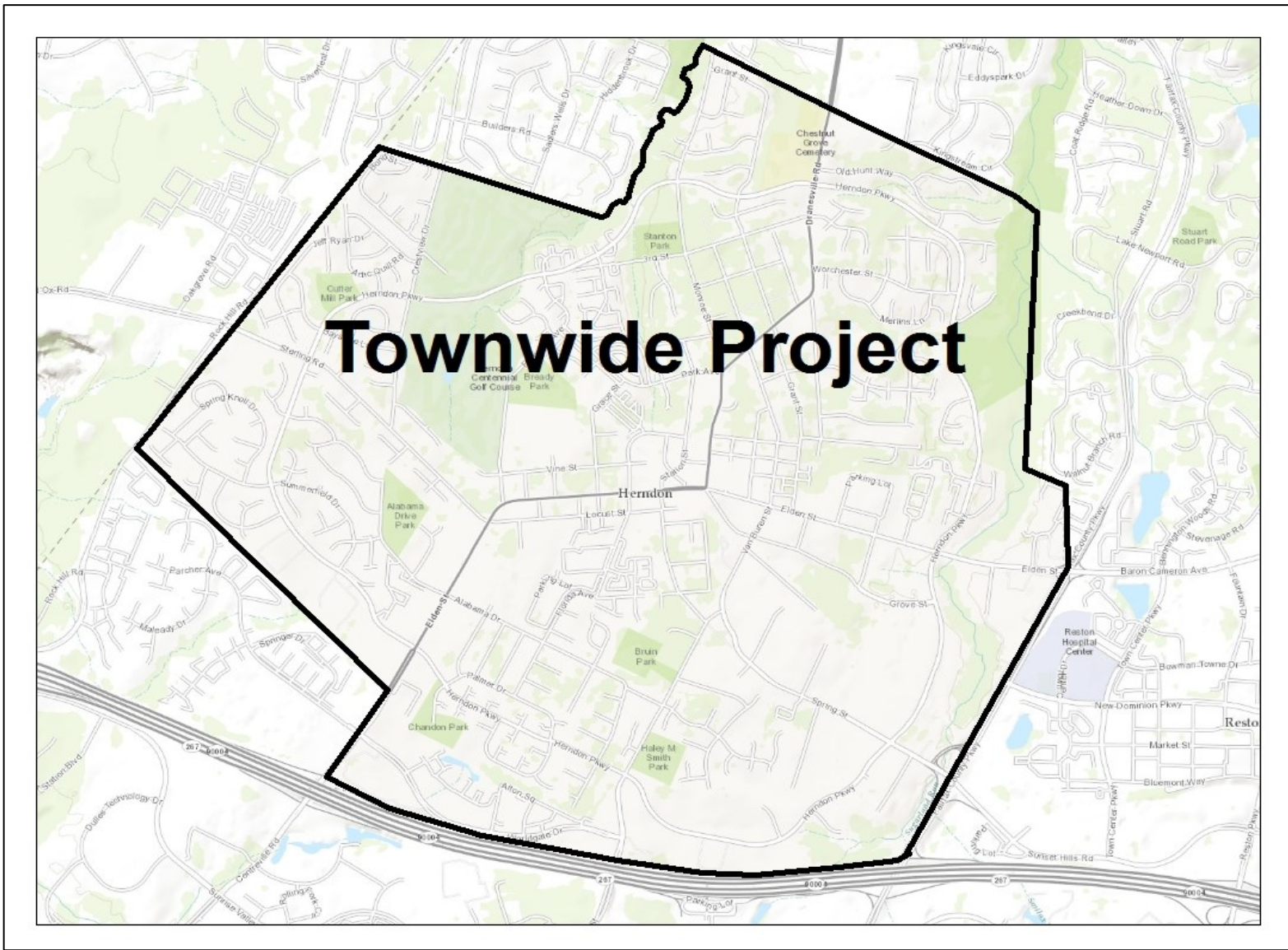
Adopted Goals and Objectives:

2035 Vision Plan Goals:

- 1. Provide robust online access for all town services and customer relationship management.

Championing Business and Technology:

- 2. Identify and evaluate opportunities to increase connectivity in the town.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	191		45						236
Construction and related services									0
Equipment/Furniture	369	25	90						484
TOTAL	560	25	135	0	0	0	0	0	720

FINANCING SOURCES:									
General Fund	560	25	135						720
G.O. Bonds									0
Intergovernmental Aid									0
Capital Leases									0
Other									0
TOTAL	560	25	135	0	0	0			720

GENERAL FUND OPERATING IMPACT:									
Capital Costs	0	0	0	0	0	0			0
Debt Service									0
Personnel/Operations	19								19
TOTAL	19	0	0	0	0	0			19

Police Radio Equipment

Project Number: 15-PO-15-01

Project Class: Special Equipment

Department: Police

Project Description: Police radios with associated equipment must be replaced due to obsolescence, interoperability, and encryption requirements. The project coordinates with Fairfax County as the lead communications point, and is largely driven by county timeframes and operational requirements. Initial expenditures are expected in FY2017 with the remainder in FY2019. Fairfax County has agreed to purchase \$372,000 worth of equipment, lowering the overall project expense and CIP allocation for Herndon.

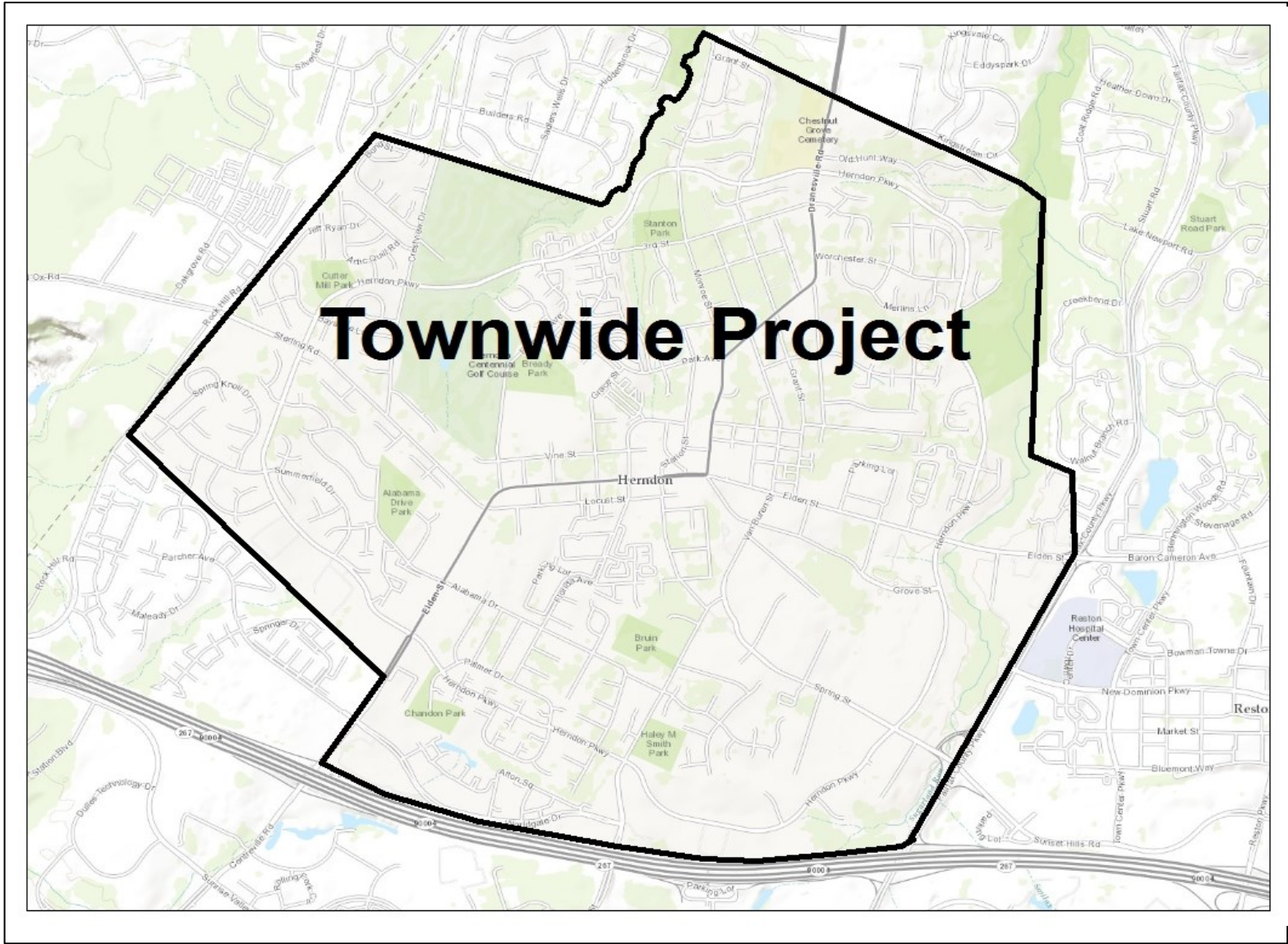
Adopted Goals and Objectives:

Accreditation Standard 81.3.4

1. This communications capability among law enforcement and public service agencies, such as fire departments, ambulance services, public utilities, etc., is necessary to provide proper coordination and deployment of forces in times of emergencies. The capability may range from simple car-to-car arrangements to interagency and statewide networks.

Accreditation Standard 81.2.2

2. Immediate communications capability provides a measure of safety and security to law enforcement officers and the public.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Previous Allocations	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services									0
Equipment/Furniture	420	210	211						841
TOTAL	420	210	211	0	0	0	0	0	841

FINANCING SOURCES:									
General Fund	420	210	211						841
Fairfax County E911 funds									0
Intergovernmental aid									0
Capital Lease/Purchase									0
TOTAL	420	210	211	0	0	0	0	0	841

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0			0

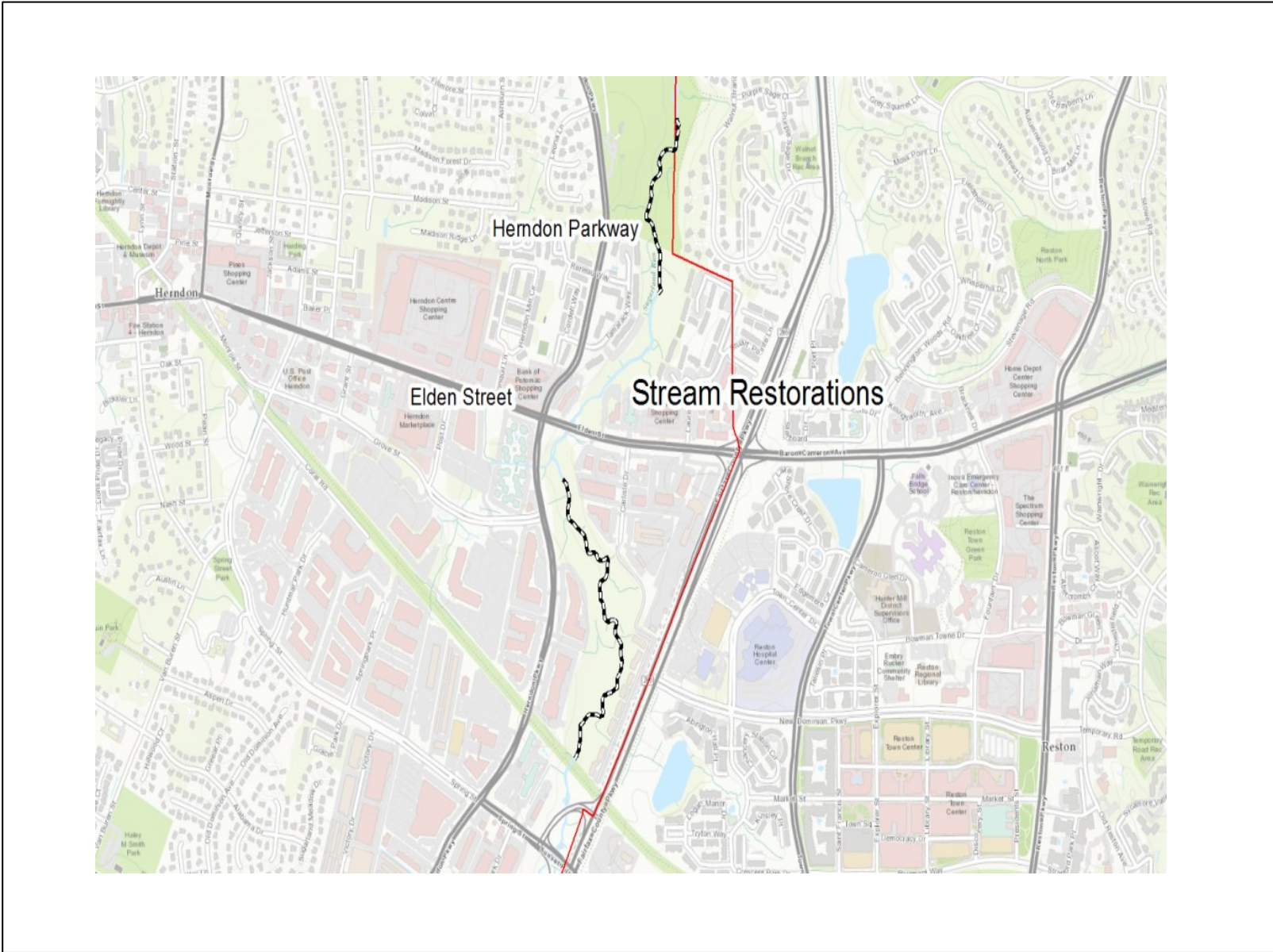
Stream Restoration

Project Number: 5-SM-18-002Project Class: Storm DrainageDepartment: Public Works

Project Description: These projects are designed to address the quality of the town's stream banks and stream valley conditions. Urbanization and storm water have contributed to erosion and damage to the stream areas. These projects will use Fairfax County stormwater tax funding and possible grant funding to implement the projects. Stream restoration areas are identified as:

- Sugarland Run (behind Herndon Police Department) - Design FY19, Construct FY21
- Sugarland Run (south of Elden Street) - Construct - beyond
- Sugarland Run (along Runnymede Park) - Construct - beyond

Adopted Goals and Objectives:
Cultivating a Sustainable Environment
1. Sustain and enhance our parks



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.			190		1000			TBD	1190
Construction and related services								TBD	0
Equipment/Furniture									0
TOTAL	0	0	190	0	1000	0	0	0	1190
FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Fairfax County Stormwater Tax			190		1000			TBD	1190
Other									0
TOTAL	0	0	190	0	1000	0	0	0	1190
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Downtown Redevelopment-Parking and Arts Center

Project Number: 09-CD-17-10

Project Class: Buildings

Department: Town Manager

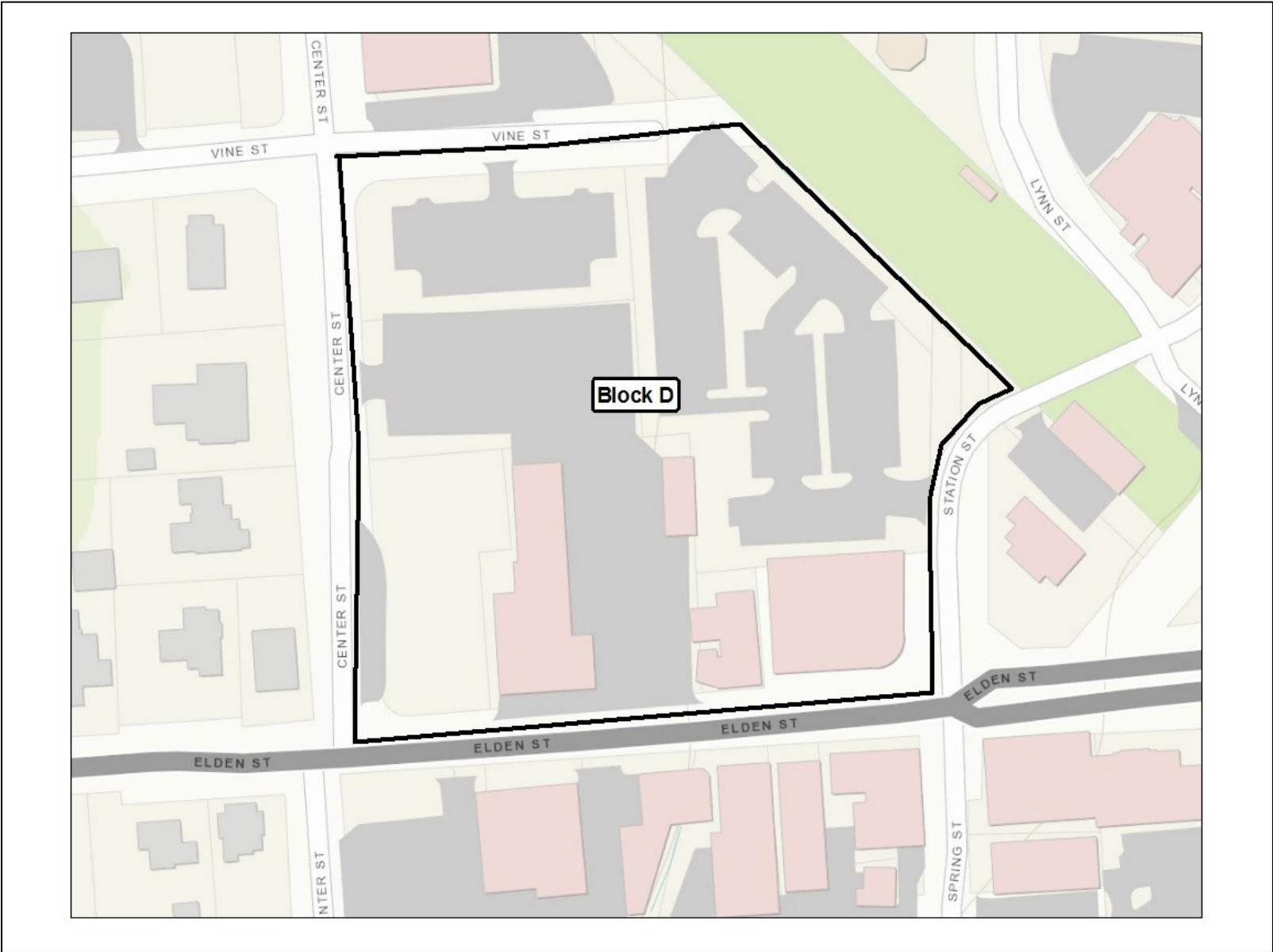
Project Description: This project provides for development of public parking as well as an arts center within a larger project on Block D and E in accord with the comprehensive plan. The project is anticipated to involve funding for a parking garage as well as funding for an arts center interior buildout with the shell building provided by the developer. Funding will be based on the outcome of an on-going negotiation under the Virginia Public-Private Educational Facilities and Infrastructure Act and the specific Town Council actions that will occur with successful conclusion of that process. Remaining reserves estimated at \$256,000 from the project sheet that existed previously in the CIP as a Downtown Parking Fund project entitled Station Street Parking Garage may be transferred to this project account.

Adopted Goals and Objectives:

FY2016 Budget:

Enriching Lives Through Arts and Entertainment
-Goal 1: Make downtown a vibrant and year-round activity-based draw.

2030 Comprehensive Plan, Page III-25
2. Encourage Complementary Redevelopment



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.		TBD							0
Construction and related services			TBD						0
Equipment/Furniture									0
TOTAL	0	TBD	TBD	0	0	0	0	0	0
FINANCING SOURCES:									
General Fund		TBD	TBD						0
G.O. Bonds		TBD	TBD						0
Intergovernmental Aid									0
Other									0
Other									0
TOTAL	0	TBD	TBD	0	0	0	0	0	0
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Traffic Signal Uninterruptable Power Supply

Project Number: 02-ST-18-003

Project Class: Traffic

Department: Public Works

Project Description: Install uninterruptable power supplies for the town's traffic signals at higher volume intersections to enhance performance and limit traffic signal interruptions during power outages, and lower emissions during interruptions to traffic signal operations. Intersections identified include 25 intersections on Elden Street and Herndon Parkway. Installation is programmed over time using available grant funding.

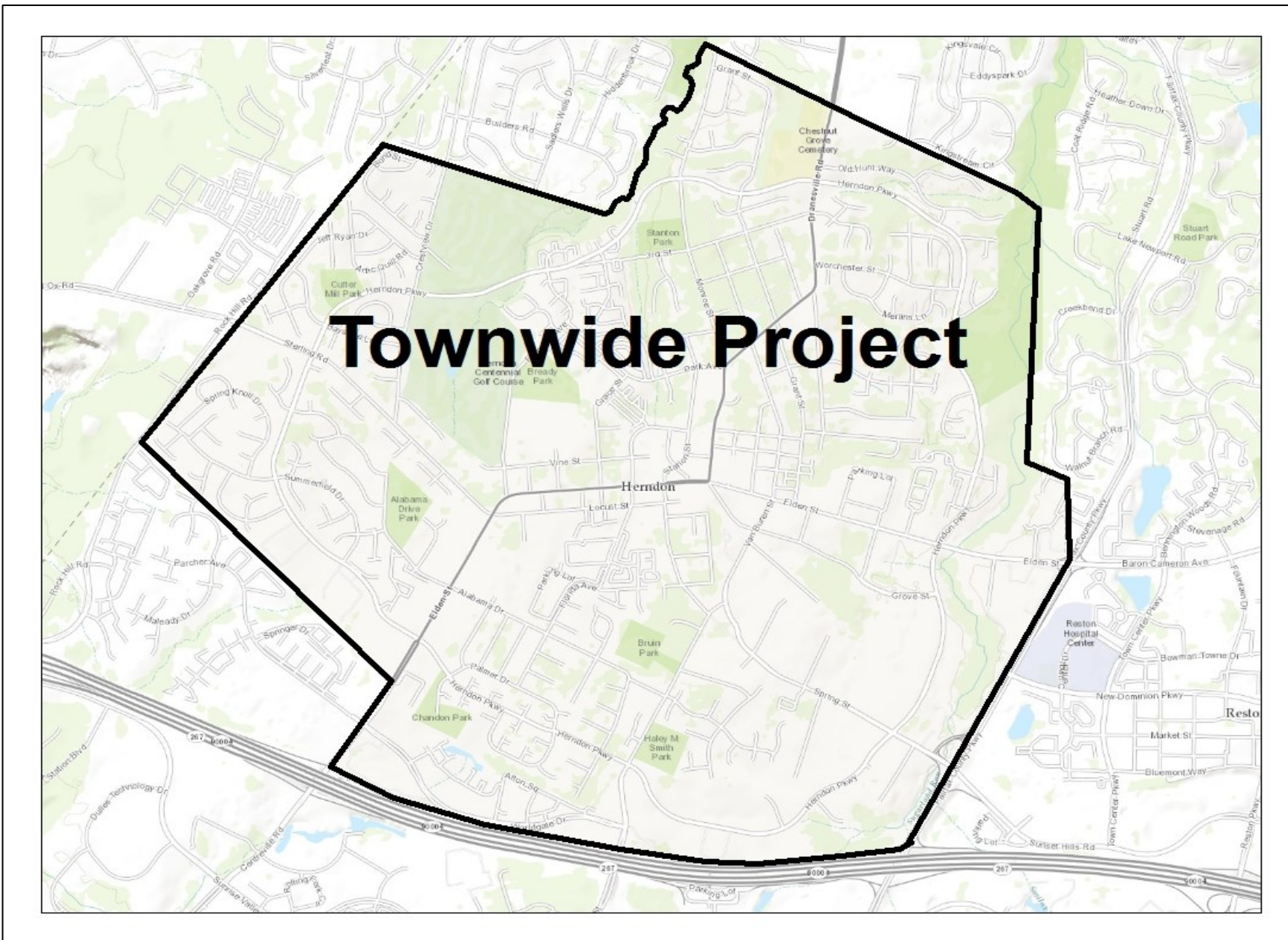
Adopted Goals and Objectives:

2030 Comprehensive Plan:

1. To provide a transportation system that safely accommodates local traffic

2030 Comprehensive Plan:

2. Provide safe streets that are friendly to pedestrians and bicyclists.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services		150		150					300
Equipment/Furniture									0
TOTAL	0	150	0	150	0	0	0	0	300
FINANCING SOURCES:									
General Fund									0
									0
Intergovernmental Aid									0
HB2313 Local 30%		150		150					300
Other									0
TOTAL	0	150	0	150	0	0	0	0	300
GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

B. GOLF COURSE PROJECTS

Clubhouse Expansion - Phase Three

Project Number: 09-GC-96-003

Project Class: Buildings

Department: Golf Course

Project Description: This project will improve upon the existing configurations and space allocations of the golf course clubhouse, constructed in 1980, as well as modernize and add new amenities. Renovations will address underutilized space, earning potentials and overall customer service. Project planning will also include improvements to the parking lot, associated landscaping and replacement of the building exterior with a more attractive material to improve the appearance and visual impact upon arrival at the facility.

Development of a design concept plan and budgetary cost estimate is on-going. Project design is anticipated to be completed during FY2018. Funding is likely to be a bond issue with the Golf Course Fund responsible for the debt service.

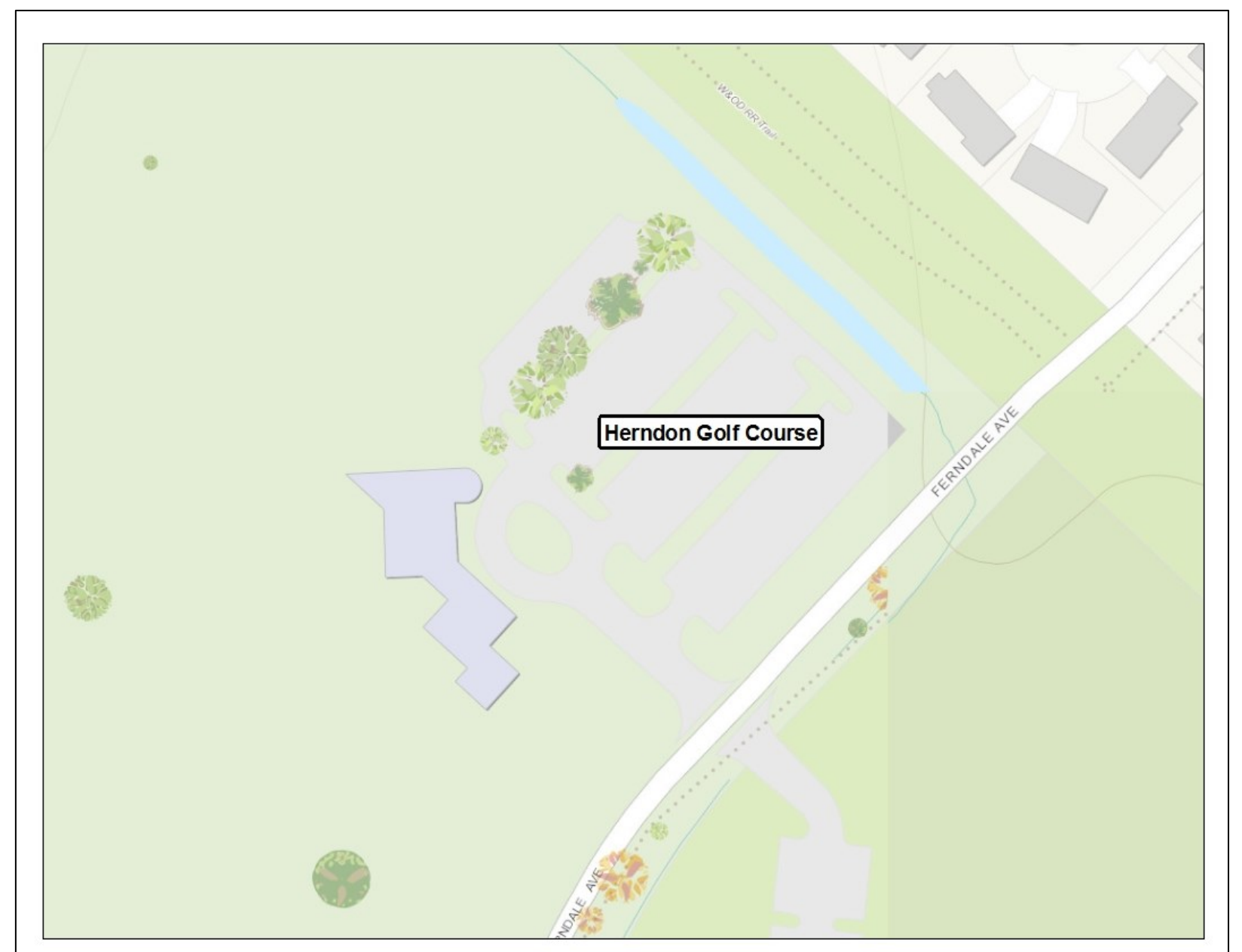
Adopted Goals and Objectives:

FY 2016 Budget:

1. Promote Herndon Centennial Golf Course to help establish the town as a desirable destination throughout the region.

FY 2016 Budget:

2. Provide programs and services of exceptional quality.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Previous Allocations	2017	2018	2019	2020	2021	2022	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	172								172
Construction and related services			TBD						0
Equipment/Furniture									0
TOTAL	172	0	TBD	0	0	0	0	0	172

FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Golf Course Fund	172		TBD						172
Other									0
TOTAL	172	0	TBD	0	0	0	0	0	172

GOLF COURSE FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service			TBD						0
Personnel/Operations									0
TOTAL	0	0	TBD	0	0		0	0	0

Golf Course Master Plan Improvements

Project Number: 10-GC-96-005

Project Class: Grounds

Department: Golf Course

Project Description: The Herndon Centennial Golf Course Master Plan provides for improvements to include course playability, aesthetics, and maintainability. Upgrades to the clubhouse entrance, parking lot and the associated landscaping will be included in this project.

Phase Two improvements, which included fairway bunker renovations, reconstruction of selected tee complexes, cart path and curbing renovations were completed in FY2011. Phase Three improvements, including enhancements to the size, proportion and location of the remaining teeing areas, is scheduled to be completed in FY2020. The out-years show proposed funding for future improvements.

Additional materials and supplies required for turf maintenance of the enlarged teeing areas is anticipated to cost \$2,000 annually.

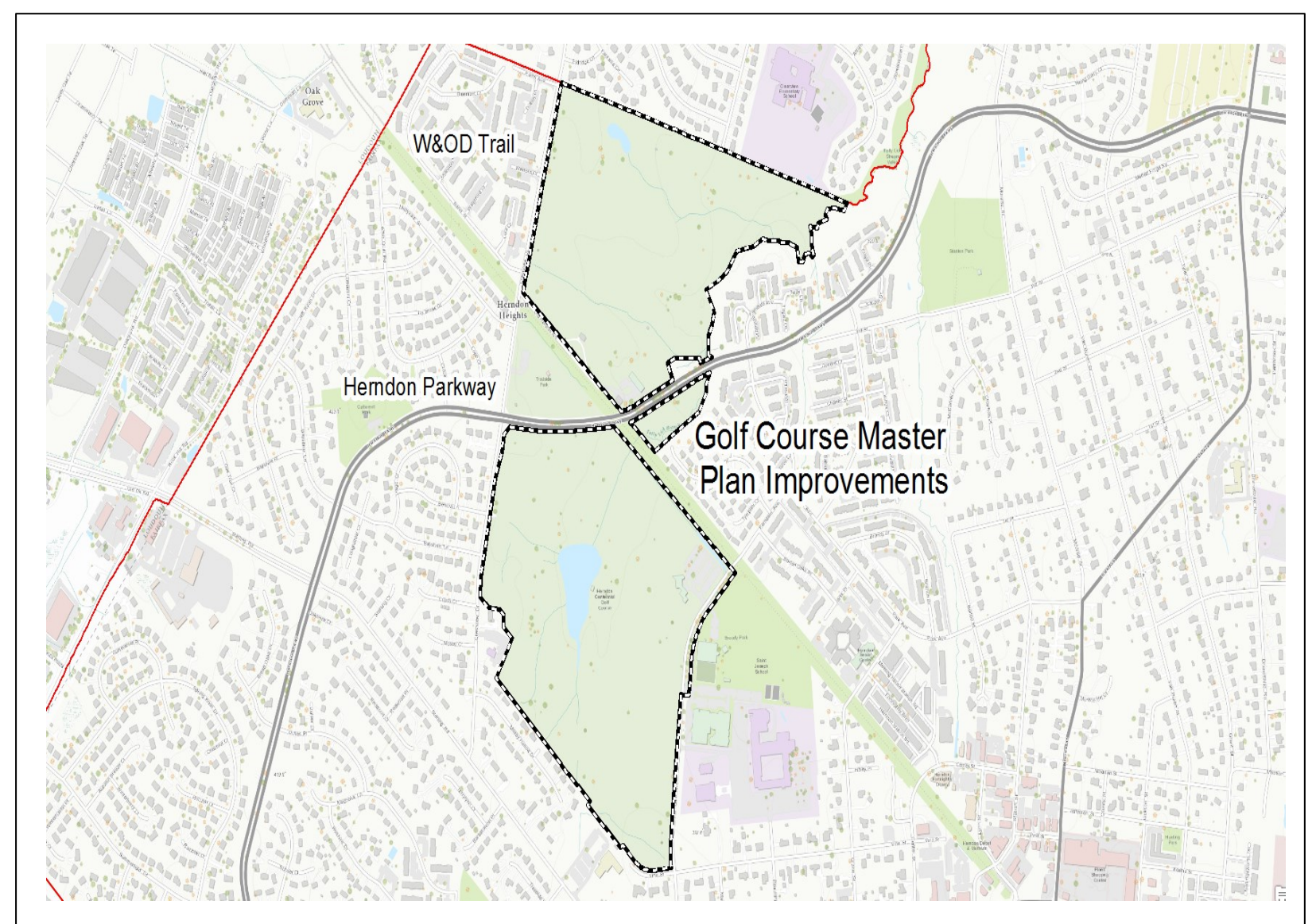
Adopted Goals and Objectives:

FY 2016 Budget:

1. Provide impeccably manicured playing conditions and an attractive setting in which to play.

2035 Vision Plan and Goals:

2. Develop and implement an environmental sustainability plan for the town.



amounts indicated = dollars in thousands

ESTIMATED COST:	Previous Allocations	Fiscal Year							TOTAL
		2018	2019	2020	2021	2022	2023	Beyond	
Land Acquisition									0
Architecture/Engin./Admin.					10	6		55	71
Construction and related services						200		600	800
Equipment/Furniture									0
TOTAL	0	0	0	0	10	206	0	655	871

FINANCING SOURCES:									
General Fund									0
G.O. Bonds									0
Intergovernmental Aid									0
Golf Course Fund					10	206		655	216
Other									0
TOTAL	0	0	0	0	10	206	0	655	871

GOLF COURSE FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations						2	2		4
TOTAL	0	0	0	0	0	2	2		4

C. WATER AND SEWER FUND PROJECTS

General Water Maintenance and Replacement

Project Number: 12-WS-96-001

Project Class: Water

Department: Public Works

Project Description: This program provides for major component replacement of the water distribution system. Major maintenance and replacement of system mains and facilities will be phased and prioritized based on pipe age, material, and localized General Fund projects, thus reducing the adverse impacts caused by frequent outages and the cost premiums experienced from system failure repairs. Increased frequency in water main breaks, funding, and re-prioritization of nearby General Fund projects may cause the replacement order to change as needed.

	Reserves	2018	2019	2020	2021	2022	2023	TOTAL
Vine Street - Grace Street to Dead End	590							590
Elden Street - Herndon Pkwy to Carlisle Dr.		70						70
Center Street - Locust Street to Nash Street			1100					1,100
Wilshire Dr - Alabama Dr to Magnolia Lane					890			890
Dranesville Road -Park Ave. to Fillmore St.						495		495
Monroe Street - Elden Street to Oak Street							167	167
TOTAL	590	70	1100	0	890	495	167	3312

Adopted Goals and Objectives:

Comprehensive Plan Goals for Public Service:

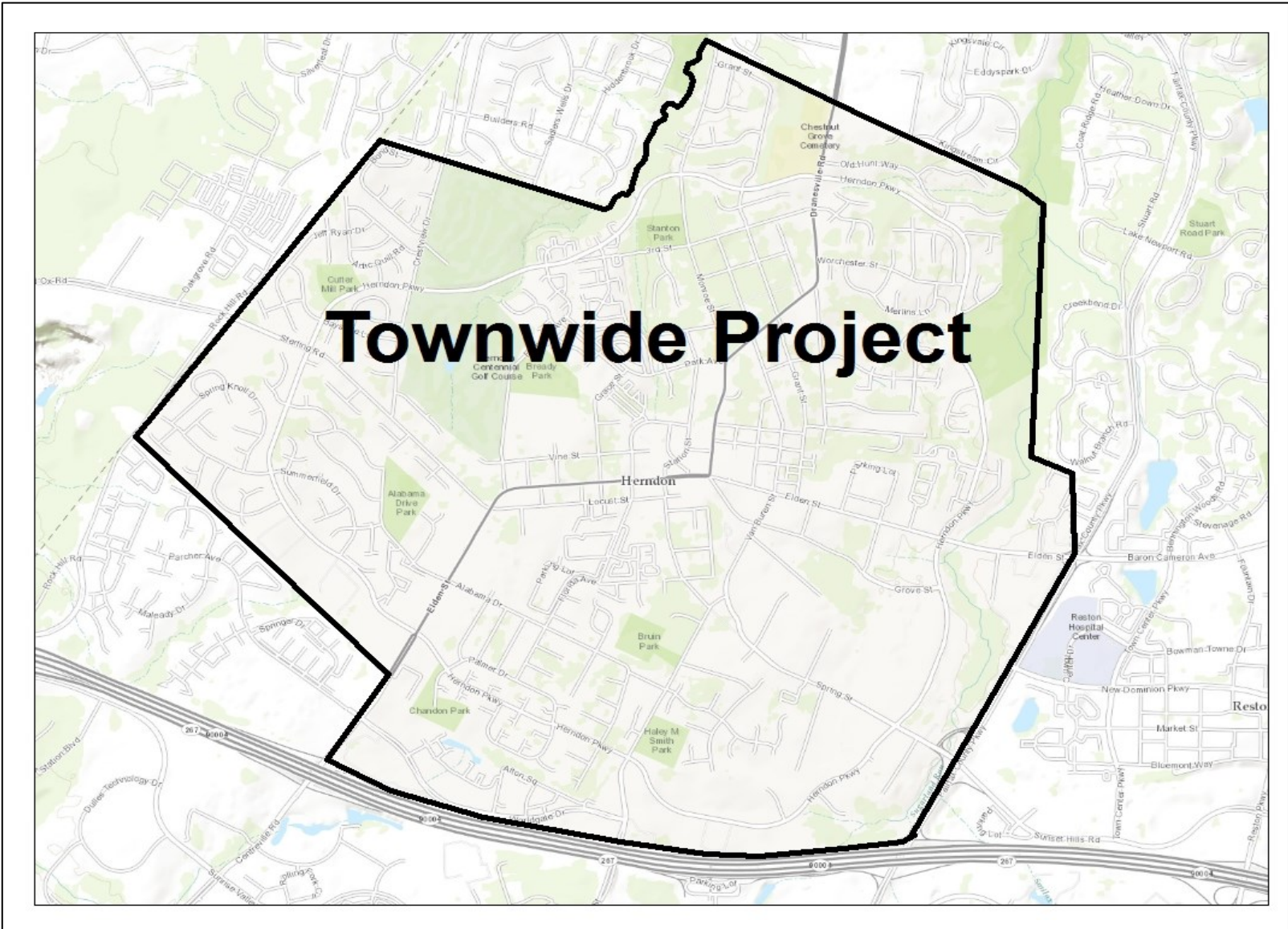
1. Ensure there is sufficient drinking water and sewer capacity to meet the needs of the town residential and commercial residents.

FY 17 adopted Budget:

2. Implement efficient and cost effective improvements of the water supply system. Maintain the water supply system with the highest standard.

FY 17 adopted Budget:

3. Maintain compliance with state and federal safe drinking water standards.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	65	70	75		100	55	22	TBD	387
Construction and related services	525		1025		790	440	145	TBD	2925
Equipment/Furniture									0
TOTAL	590	70	1100	0	890	495	167	TBD	3312

FINANCING SOURCES:									
Water and Sewer Fund	590	70	923		890	495	167	TBD	3135
Bonds/Municipal Loans									0
Availability Fee Fund			177		0			TBD	177
Other Funding Sources									0
TOTAL	590	70	1100	0	890	495	167	TBD	3312

Funding Note: Projects that provide for increased sizing of existing mains or the construction of infrastructure where it did not previously exist are partially funded from availability fees. The proportion of funding is based on the age of existing infrastructure to be replaced, and premium to increase pipe size.

WATER / SEWER FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Water - Major Vehicles/Equipment

Project Number: 15-WS-12-002

Project Class: Water

Department: Public Works

Project Description: This program replaces older town vehicles and major equipment over \$50K on a phased basis in concert with their expected useful life. Timely replacement of vehicles and equipment avoids excessive repair costs, unacceptable down time and unsafe levels of operation. Procurement of vehicles and equipment is performed by IFB (Invitation for Bid) or use of state or local contracts. The following vehicles are scheduled for replacement:

Vehicle	Year	Cost
#838 - 1999 SUV (Utility Manager) replace w pick up/plow	FY18	55
#338 - 1997 Van - replace w/Crew Cab pickup w plow	FY19	80
Total		135

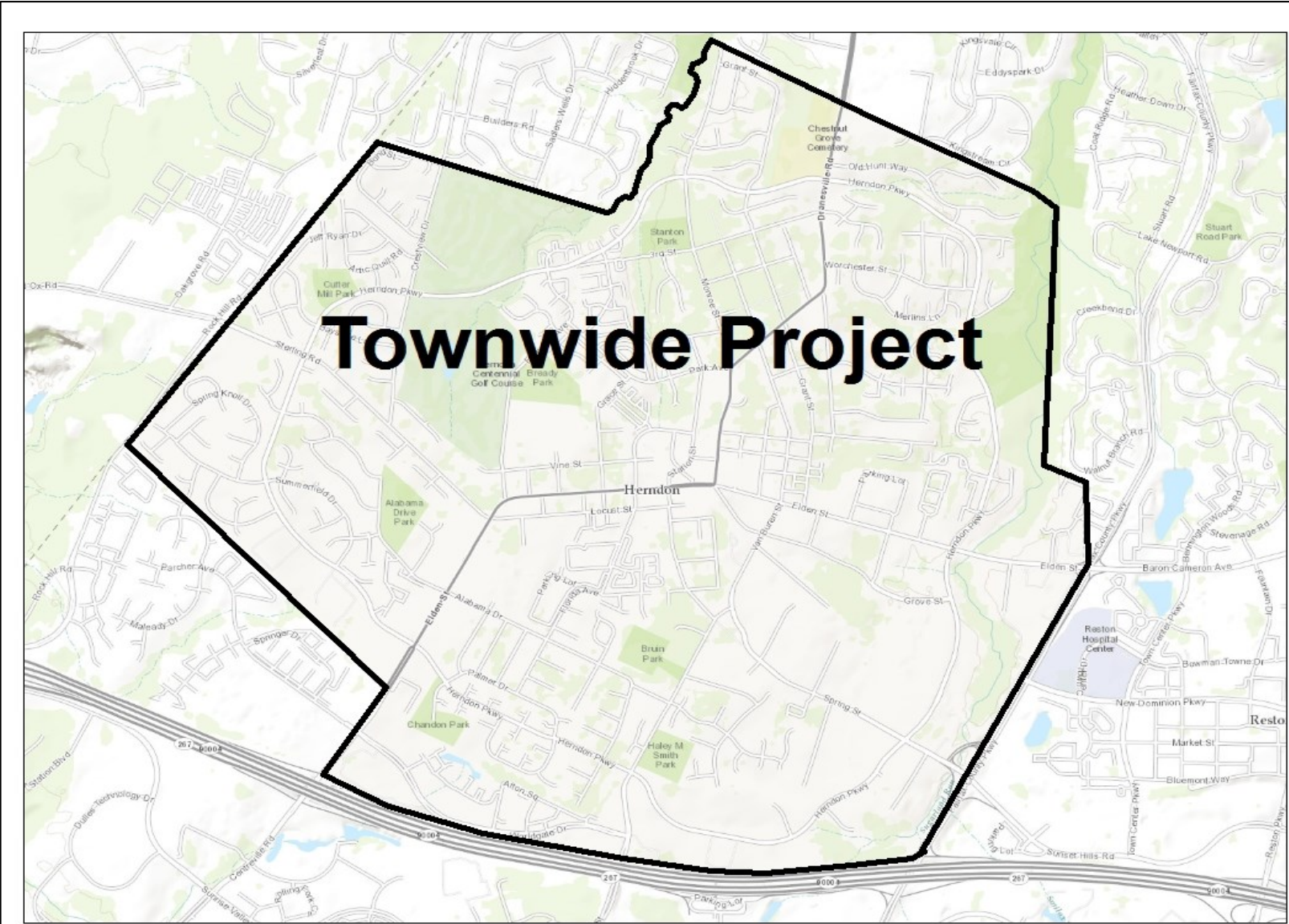
Adopted Goals and Objectives:

FY 17 adopted Budget:

1. Improve maintenance of the water system.

Comprehensive Plan Goals for Public Service:

2. Ensure there is sufficient drinking water and sewer capacity to meet the needs of the Town of Herndon residential and commercial residents.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services									0
Equipment/Furniture		55	80						135
TOTAL	0	55	80	0	0	0	0	0	135

FINANCING SOURCES:									
General Fund									0
Revenue Bonds/Water & Sewer									0
Intergovernmental Aid									0
Water and Sewer Fund		55	80			0	0		135
Other									0
TOTAL	0	55	80	0	0	0	0	0	135

WATER AND SEWER FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Sewer - Major Vehicles/Equipment

Project Number: 15-WS-12-002

Project Class: Sanitary Sewer

Department: Public Works

Project Description: This program replaces older town vehicles and major equipment over \$50K on a phased basis in concert with their expected useful life. Timely replacement of vehicles and equipment avoids excessive repair costs, unacceptable down time and unsafe levels of operation. Procurement of vehicles and equipment is performed by IFB (Invitation for Bid) or use of state or local contracts. The following vehicles are scheduled for replacement:

Vehicle	Year	Cost
#443-2002 Single Axle Dump Truck	FY21	140
#453 - 2004 Crew PU with plow	FY22	80
Total		220

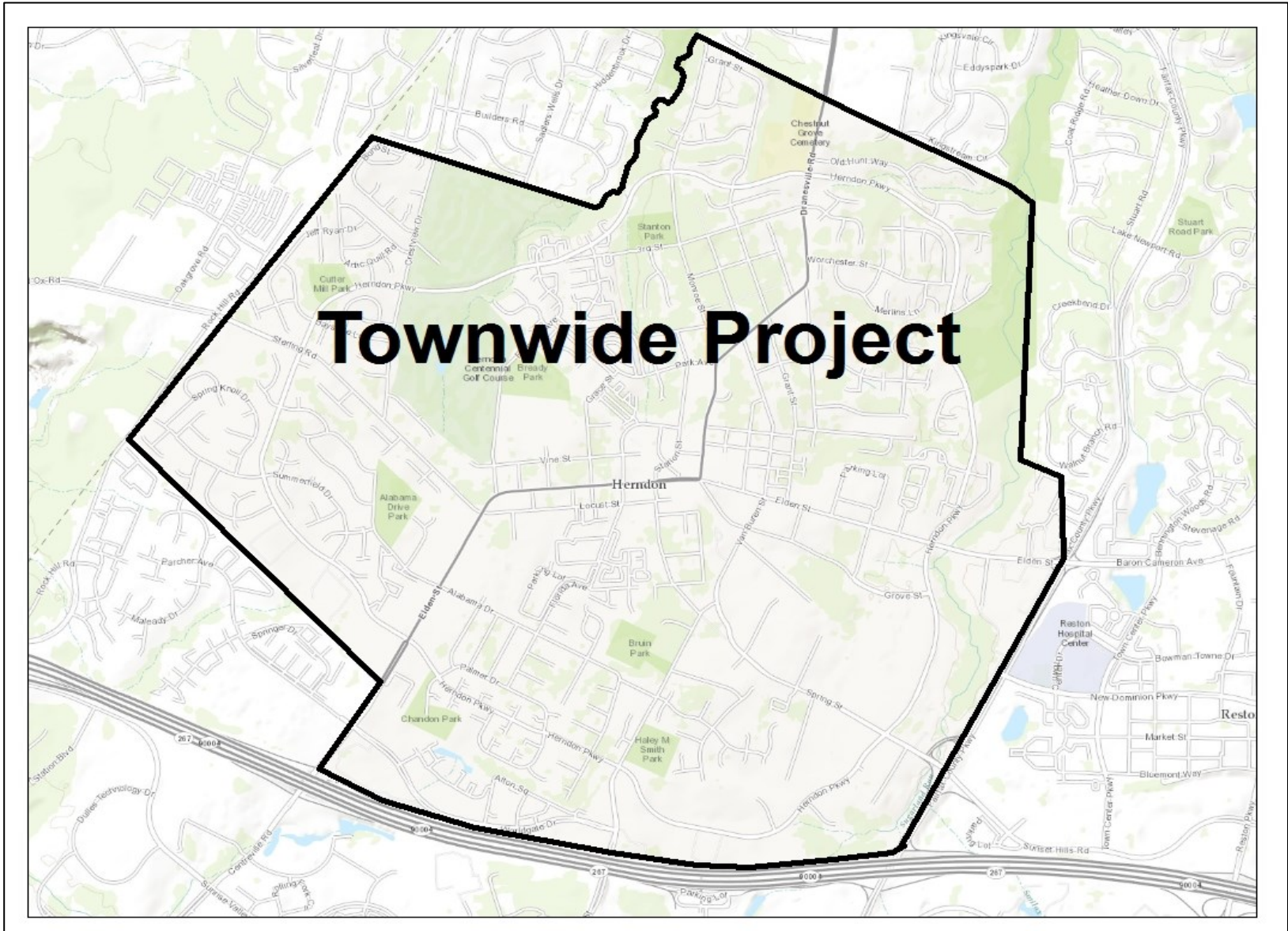
Adopted Goals and Objectives:

FY 17 adopted Budget:

1. Ensure a healthy and safe conveyance of sanitary sewer effluent with zero sanitary sewer overflows in the best possible cost effective manner.

Comprehensive Plan Goals for Public Service:

2. Develop and implement an inspection and maintenance program of all sewer lines that ensures no leaking to or from the groundwater.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services									0
Equipment/Furniture			0		140	80			220
TOTAL	0	0	0	0	140	80	0	0	220

FINANCING SOURCES:									
General Fund									0
Reveue Bonds/Water & Sewer									0
Intergovernmental Aid									0
Water and Sewer Fund			0		140	80	0	0	220
Other									0
TOTAL	0	0	0	0	140	80	0	0	220

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

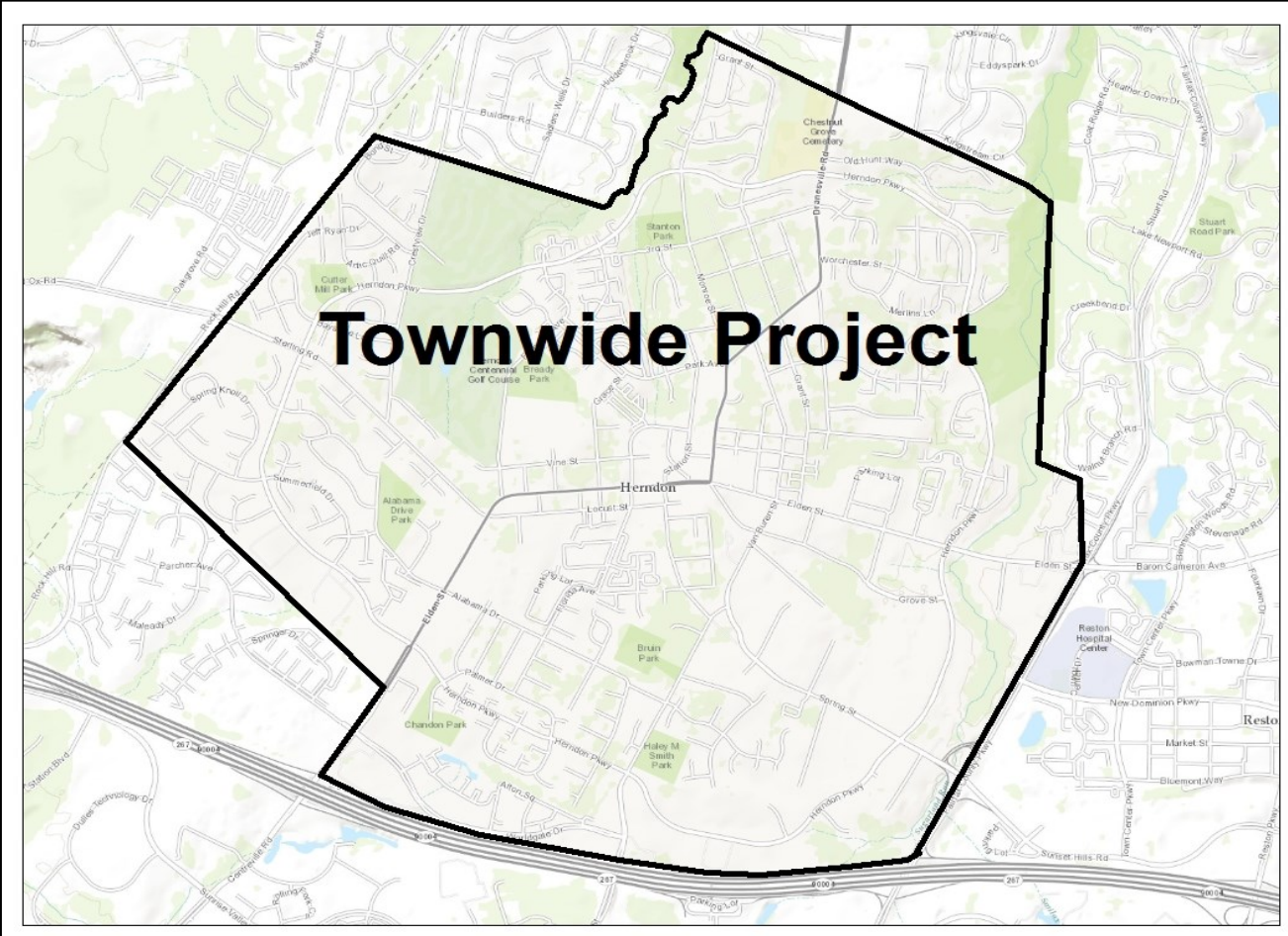
Sewer Utility Master Plan Improvements

Project Number: 06-SS-15-002 Project Class: Sanitary Sewer Department: Public Works

Project Description: This program provides for major component construction and upgrades to the sewer conveyance system. As a result of the Herndon Transit-Oriented Core (HTOC), Downtown Master Plan (DTMP), Overlay Districts, and rezoning cases, sewer system construction and upgrades will be targeted to provide sufficient capacity within the Town's sewer mains and trunk lines. The majority of improvements will be localized to Herndon Parkway (near the proposed WMATA Metrorail Station), the Sugarland Run trunk line (SR), and the Folly Lick trunk line while additional improvements may be required elsewhere. The town's engineering consultant submitted a Utility Master Plan (UMP) with an extended outlook (2040) for expected improvements needed to meet current and future O and M and capacity needs. With the impending East Elden Street VDOT improvement project, staff recommends completing the 2040 recommendation of upsizing a portion of the Sugarland Run trunk line in that area.

- Adopted Goals and Objectives:**
Comprehensive Plan Goals for Public Service:
1. Ensure there is sufficient drinking water and sewer capacity to meet the needs of the town residential and commercial residents.

- 2035 Vision Plans and Goals:**
2. Strengthen the bonds with Fairfax and Loudoun Counties to advance common interests, including transportation planning, access to Innovation Metro Station, and the adjacent development impacts to the Town of Herndon.



Location & Total Cost	Manholes	Design Cost	Construction Cost
Folly Lick near Young Ave. 300' pipe \$237,000.00 FY18	2110 -2112	31K	206K
Spring Down 750' pipe \$427,000.00 FY19	781-828	51K	376K
Sugarland Run (East Elden) 800' pipe \$507,000.00 FY20	857-959	63K	444K
Sugarland Run 450' pipe \$316,000.00 FY21	2420-2421	38K	278K
Folly Lick near Young Ave. 350' pipe \$241,000.00 FY22	2109-2110	28K	213K
Spring Down 100' pipe \$82,000.00 FY22	828-727	8K	74K
Spring Down 2500' pipe \$1,142,000.00 FY23	789-781	143K	999K

amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	320	51	63	38	36	143		TBD	651
Construction and related services		206	376	444	278	287	999	TBD	2590
Equipment/Furniture									0
TOTAL	320	257	439	482	314	430	999	0	3241

FINANCING SOURCES:									
Water and Sewer Fund									0
Bonds/Municipal Loans									0
Availability Fee Fund	320	257	439	482	314	430	999		3241
Other Funding Sources									0
TOTAL	320	257	439	482	314	430	999	0	3241

GENERAL FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Sewer Capacity Purchase

Project Number: 06-SS-13-001

Project Class: Sanitary Sewer

Department: Public Works

Project Description: This program provides for additional treatment capacity allocations at Blue Plains Water Treatment Plant. The Town has indicated a desire to have the necessary capacity allotments ahead of forthcoming development and redevelopment. The exact cost and timing of the purchase will be dependent on the precise source of the capacity allotment. A swap may be required with a neighboring municipality, or flow may need to be diverted to other regional treatment facilities. A capacity purchase memorandum has been prepared by the town's consultant and recommends acquiring additional capacity. The staff is reviewing options with Loudoun and Fairfax counties to ensure costs are minimized as much as possible while still meeting the town's needs. The current cost estimate for 1.0 million gallons per day of treatment capacity is \$22 million.

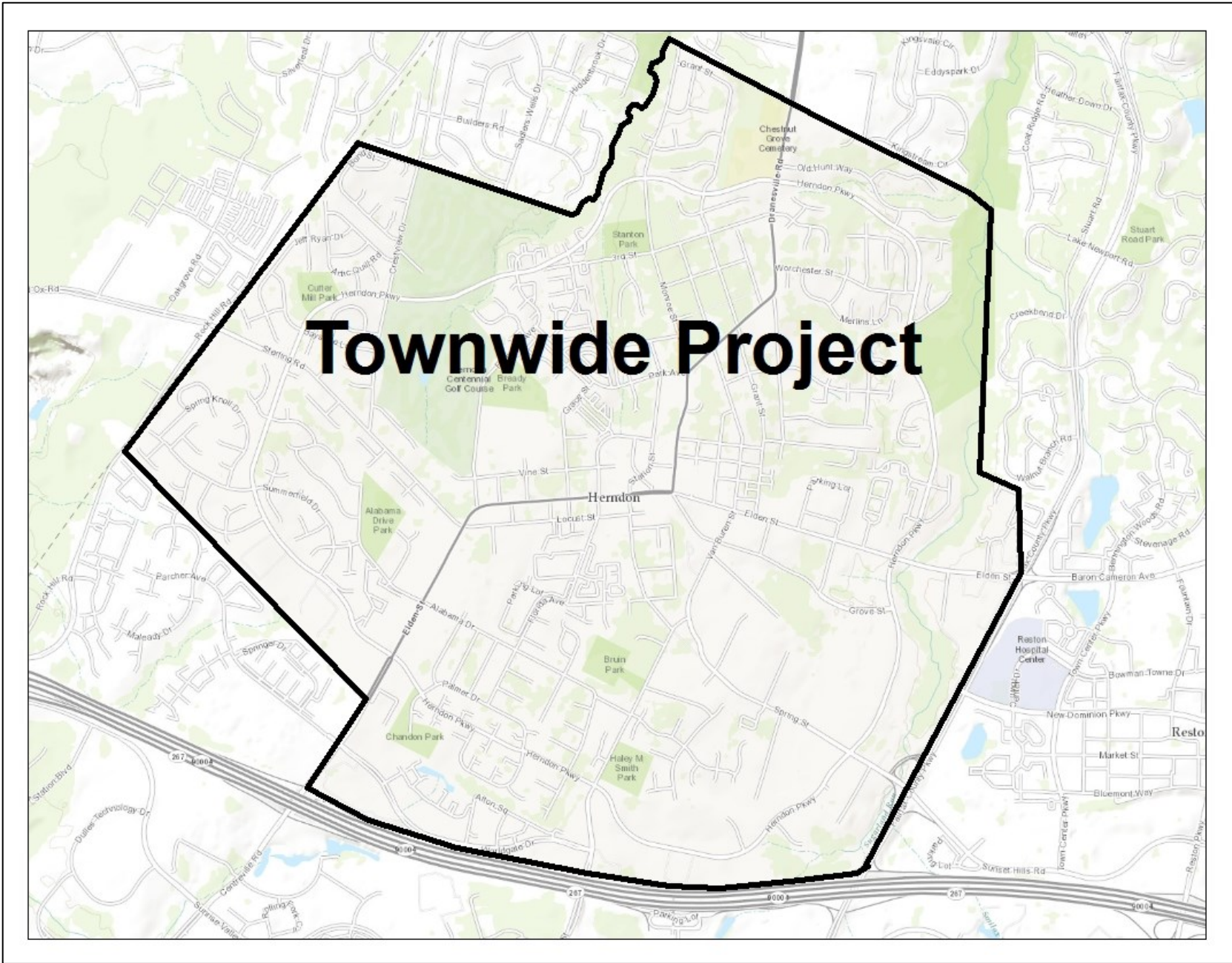
Adopted Goals and Objectives:

Comprehensive Plan Goals for Public Service:

1. Ensure there is sufficient drinking water and sewer capacity to meet the needs of the town residential and commercial residents.

Comprehensive Plan Goals for Public Service:

2. Strengthen the bonds with Fairfax and Loudoun Counties to advance common interests, including transportation planning, access to Innovation Metro Station, and the adjacent development impacts to the Town of Herndon.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.			0						0
Construction and related services			1421	1421	1421	1421	1421	TBD	22000
Equipment/Furniture									0
TOTAL	0	0	1421	1421	1421	1421	1421	TBD	22000
FINANCING SOURCES:									
Water and Sewer Fund									0
Bonds/Municipal Loans			1421	1421	1421	1421	1421	TBD	22000
Availability Fee Fund									0
Other Funding Sources									0
TOTAL	0	0	1421	1421	1421	1421	1421	TBD	22000
WATER AND SEWER FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service		1421	1421	1421	1421	1421	1421	TBD	TBD
Personnel/Operations									0
TOTAL	0	1421	1421	1421	1421	1421	1421	TBD	TBD

Note: The "Beyond" value for debt service represents the sum of payments past 2023. This assumes a 30-year term and original rate of 5%. Exact financing options and terms will be determined at the time of the agreement process.

Sewer Main Relining and Manhole Rehab Program

Project Number: 06-SS-13-001

Project Class: Sanitary Sewer

Department: Public Works

Project Description: The sewer conveyance system requires constant maintenance to prevent costly, unnecessary repairs and sanitation hazards due to infrastructure failures and sewer main deterioration. Fiscal year savings are generated from the infiltration and inflow (I&I) reduction, which reduce sewer conveyance and treatment costs. After surveying our largest trunk line, sections were identified to be in less than favorable condition; I&I, tree roots, deterioration, etc. This will be the focus of our program over the next few years. Other sewer main and manhole rehabilitation may be added to the list when identified in future sewer system surveys.

Future Main Relining Areas and Manhole Rehabilitation Areas

Project Area	Year	Cost
	FY 18	0
Sugarland Trunk Line North of Elden	FY 19	500
"	FY 20	500
"	FY 21	500
"	FY22	500

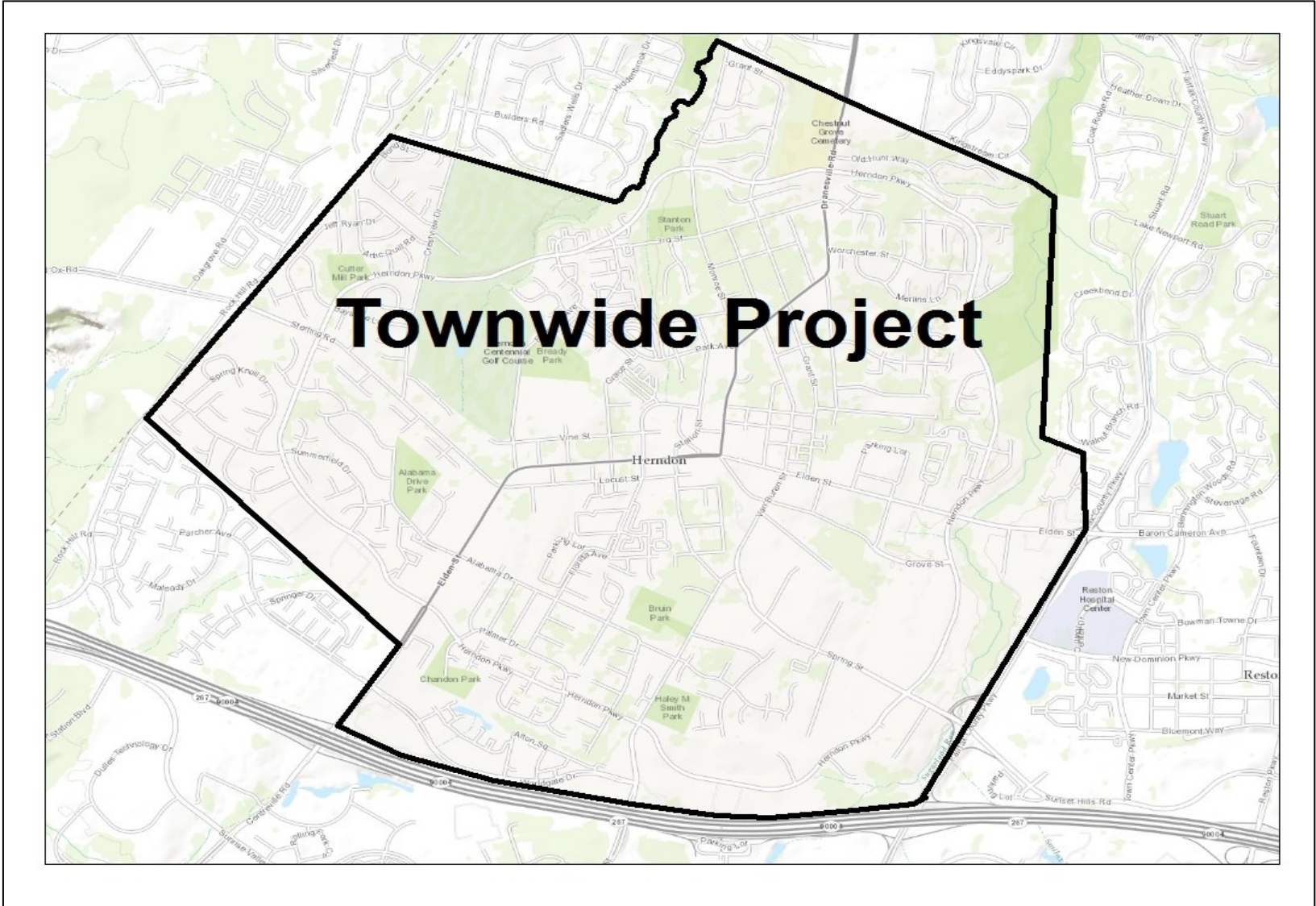
Adopted Goals and Objectives:

Comprehensive Plan: Goals for Public Service:

1. Ensure that the installation of new or retrofitted utilities have adequate capacity to meet the demands of the businesses and residents of Herndon while reducing the land disturbance and visual impact that such improvements and installations may cause

Comprehensive Plan Goals for Public Service:

2. Ensure there is sufficient drinking water and sewer capacity to meet the needs of the town residential and commercial residents;
3. Develop and implement an inspection and maintenance program of all sewer lines that ensures no leaking to or from the groundwater



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	500		500	500	500	500	TBD	TBD	2500
Equipment/Furniture									0
TOTAL	500	0	500	500	500	500	0	0	2500
FINANCING SOURCES:									
General Fund									0
Revenue Bonds/Water & Sewer									0
Intergovernmental Aid									0
Water and Sewer Fund	290		290	290	290	290	TBD	TBD	1450
Fairfax Co. per Agreement (Estimated share)	210		210	210	210	210	TBD	TBD	1050
TOTAL	500	0	500	500	500	500	0	0	2500
WATER AND SEWER FUND OPERATING IMPACT:									
Capital Costs									
Debt Service									
Personnel/Operations									
TOTAL	0	0	0	0	0	0	0	0	0

Water Utility Master Plan Improvements

Project Number: 12-WS-13-001

Project Class: Water

Department: Public Works

Project Description: This program provides for major component construction and upgrades to the water distribution system. As a result of Herndon Transit-Oriented Core (HTOC), Downtown Master Plan (DTMP), Overlay Districts, and rezoning cases, water system construction and upgrades will be targeted to provide sufficient domestic and fire flow to new developments. In FY17 the Virginia Department of Health instructed staff that storage needs were not being met; VDH recommends raising the water system's storage tank water levels 15 feet. Staff is working with its engineering consultant to meet the short term needs. The proposed allocated monies will be for the first of two phases for meeting future capacity needs. By 2025, the second phase will be needed. Raising the water levels includes system improvements to control pressures (PRV/Control valves, vaults, etc.) \$308,000; Phase 1 - construct 16" transmission main north of town extending to Third Street tank - \$3,000,000; Phase 2 -construct 12" transmission main from Third Street storage tank to Spring Knoll tank - \$3,115,000.

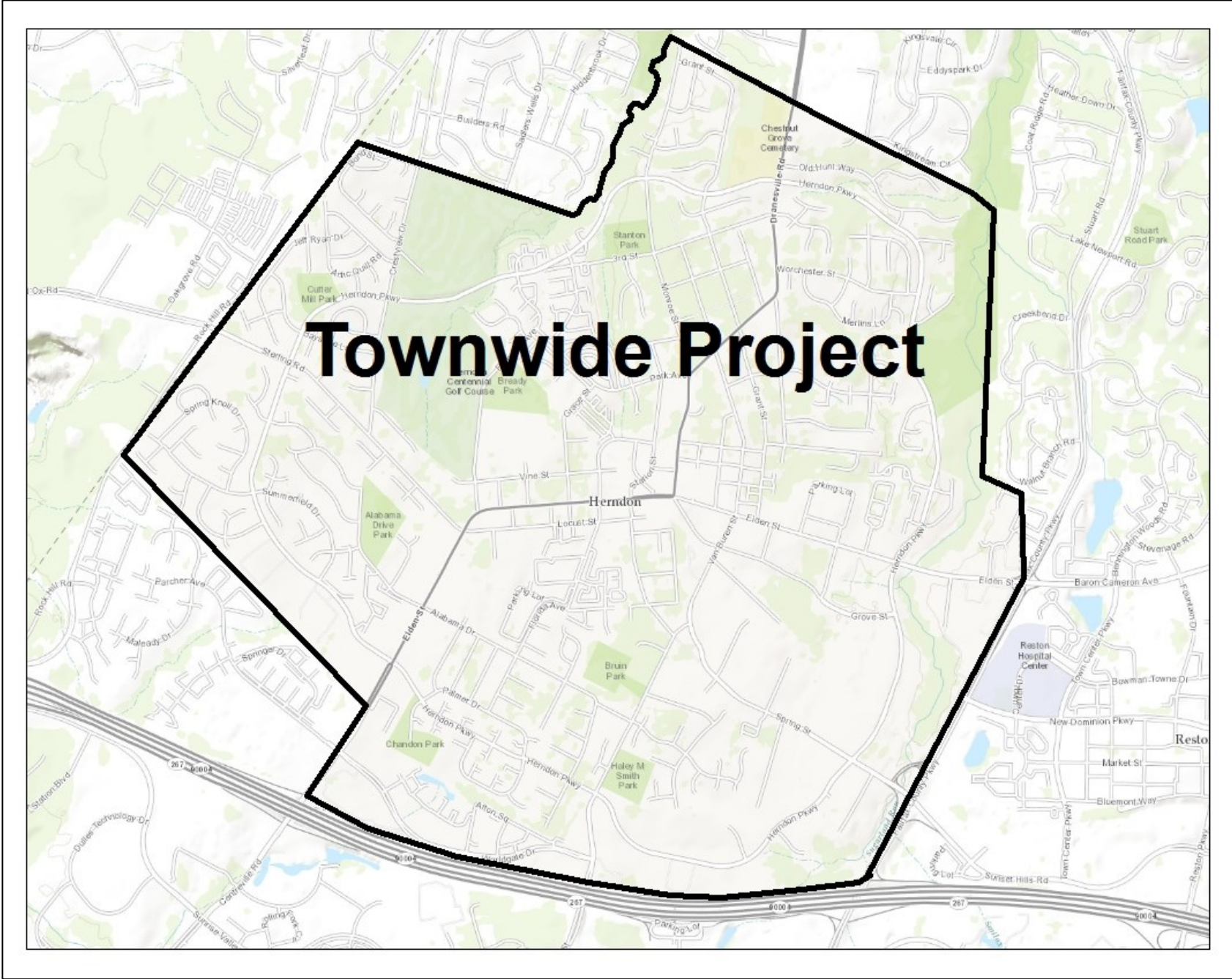
Adopted Goals and Objectives:

Comprehensive Plan Goals for Public Service:

1. Ensure there is sufficient drinking water and sewer capacity to meet the needs of the town residential and commercial residents.

2035 Vision Plans and Goals:

2. Strengthen the bonds with Fairfax and Loudoun Counties to advance common interests, including transportation planning, access to Innovation Metro Station, and the adjacent development impacts to the Town of Herndon.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	308								308
Construction and related services	0	200	1800	1000				TBD	3000
Equipment/Furniture									0
TOTAL	308	200	1800	1000	0	0	0	0	3308

FINANCING SOURCES:									
Water and Sewer Fund									0
Bonds/Municipal Loans									0
Availability Fee Fund	308	200	1800	1000				TBD	3308
Other Funding Sources									0
TOTAL	308	200	1800	1000	0	0	0	0	3308

Funding Note: Improvements made to, or replacement of, existing infrastucture that is either obsolete or nearing the end of its service life will be partially funded out of O&M.

WATER AND SEWER FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Water Capacity Purchase

Project Number: 06-SS-13-001

Project Class: Water

Department: Public Works

Project Description: This program provides for additional treatment capacity allocations through Fairfax Water. The Town has indicated a desire to have the necessary capacity allocations ahead of forthcoming development and redevelopment. The exact cost and timing of the purchase will be dependent on the continued availability of capacity through Fairfax Water's most recent 2005 upgrade at their Corbalis Plant. The current estimate for the purchase of 1.0 million gallons per day of treatment capacity is \$6 million.

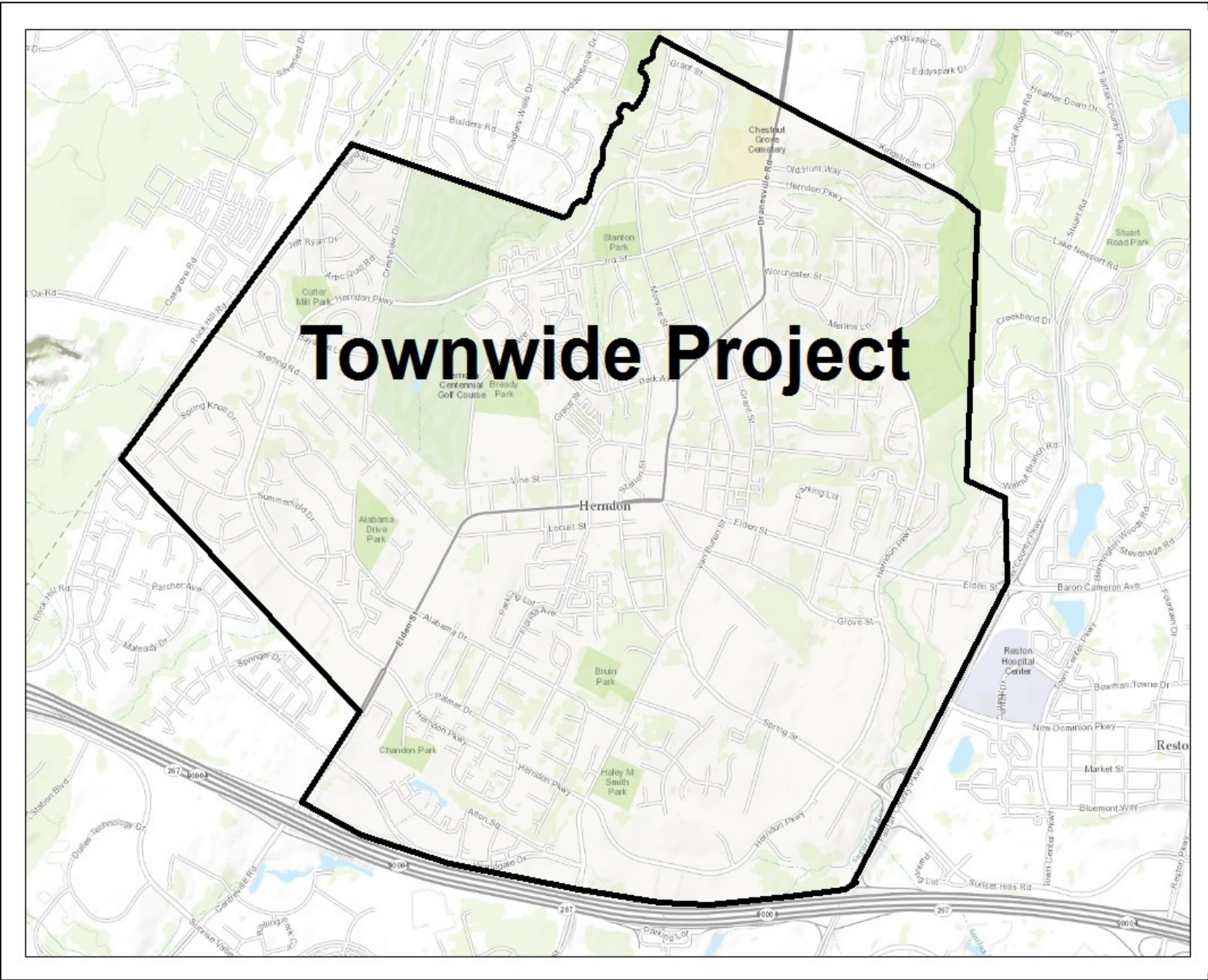
Adopted Goals and Objectives:

Comprehensive Plan Goals for Public Service:

1. Ensure there is sufficient drinking water and sewer capacity to meet the needs of the town residential and commercial residents.

2035 Vision Plan and Goals:

2. Strengthen the bonds with Fairfax and Loudoun counties to advance common interests, including transportation planning, access to Innovation Metro Station, and the adjacent development impacts to the Town of Herndon.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.									0
Construction and related services	344	0	421	421	421	421	421	7829	10278
Equipment/Furniture									0
TOTAL	344	0	421	421	421	421	421	7829	10278

FINANCING SOURCES:									
Water and Sewer Fund									0
Bonds/Municipal Loans									0
Availability Fee Fund									0
Other Funding Sources-Fairfax Water Agrmnt	344	0	421	421	421	421	421	7829	10278
TOTAL	344	0	421	421	421	421	421	7829	10278

Notes: Final financing arrangements will be determined during the legal process. Financing options include an upfront Town bond, financing through Fairfax Water, or Pay-As-You-Go capital payments. All funding will be provided for by the Town's existing and future Availability Fees.

WATER AND SEWER FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0

Note: The "Beyond" value for debt service represents the sum of payments past 2023. This assumes a 25-year term and original rate of 5%. Exact financing options and terms will be determined at the time of the agreement process.

Water Storage Tank Rehabilitation

Project Number: 06-SS-13-001

Project Class: Water

Department: Public Works

Project Description: This program provides for life cycle maintenance and repair of the Town's existing elevated water storage tanks. The Spring Knoll tank was painted and rehabilitated in FY16. A condition assessment for the 3rd Street tank was delivered to the Town in FY15 indicating sufficient adequacy of the existing interior and exterior coatings. The 3rd Street Tank is scheduled for painting and rehabilitation in FY18. Results of the hydraulic modeling efforts have indicated that the Town's existing Alabama Drive tank would be unable to provide effective storage without sufficient mechanical upgrades. Due to the length of time the Alabama Tank has been out of service and with no indication of future use, VDH has removed the site from the town's water work permit and has directed the town to disconnect the tank from the distribution system. However, depending on future needs, the Alabama Drive tank could potentially be put back in service if a booster pump is installed.

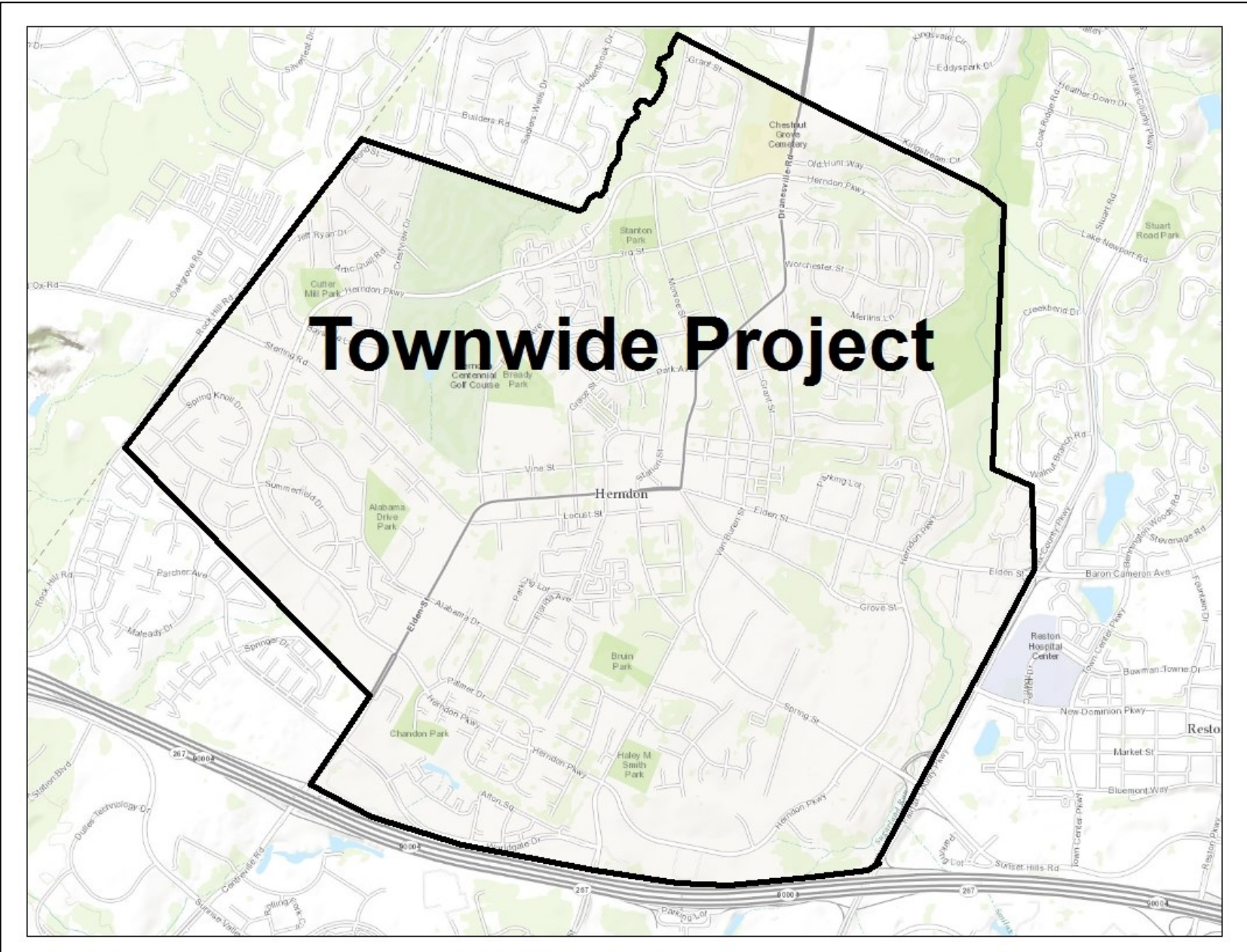
Adopted Goals and Objectives:

Comprehensive Plan Goals for Public Service:

1. Ensure there is sufficient drinking water and sewer capacity to meet the needs of the town residential and commercial residents.

FY 17 adopted Budget:

2. Maintain compliance with state and federal safe drinking water standards.



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	0								0
Construction and related services		1130							1130
Equipment/Furniture									0
TOTAL	0	1130	0	0	0	0	0	0	1130

FINANCING SOURCES:									
Water and Sewer Fund									0
Bonds/Municipal Loans		1130							1130
Availability Fee Fund									0
Other Funding Sources									0
TOTAL	0	1130	0	0	0	0	0	0	1130

Notes: Final financing arrangements will be determined prior to issuing the contract. Financing options may include a VML/VACO loan, bond, or cash expenditure.

WATER AND SEWER FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service		88	88	88	88	88	886	0	1326
Personnel/Operations									0
TOTAL	0	88	88	88	88	88	886	0	1326

Note: The "Beyond" value for debt service represents the sum of payments past 2022. This assumes a 15-year term and a current rate of 3%. Exact financing options and terms will be determined prior to issuing the contract.

D. CEMETERY FUND PROJECT

Chestnut Grove Cemetery

Project Number: 11-PR-15-001

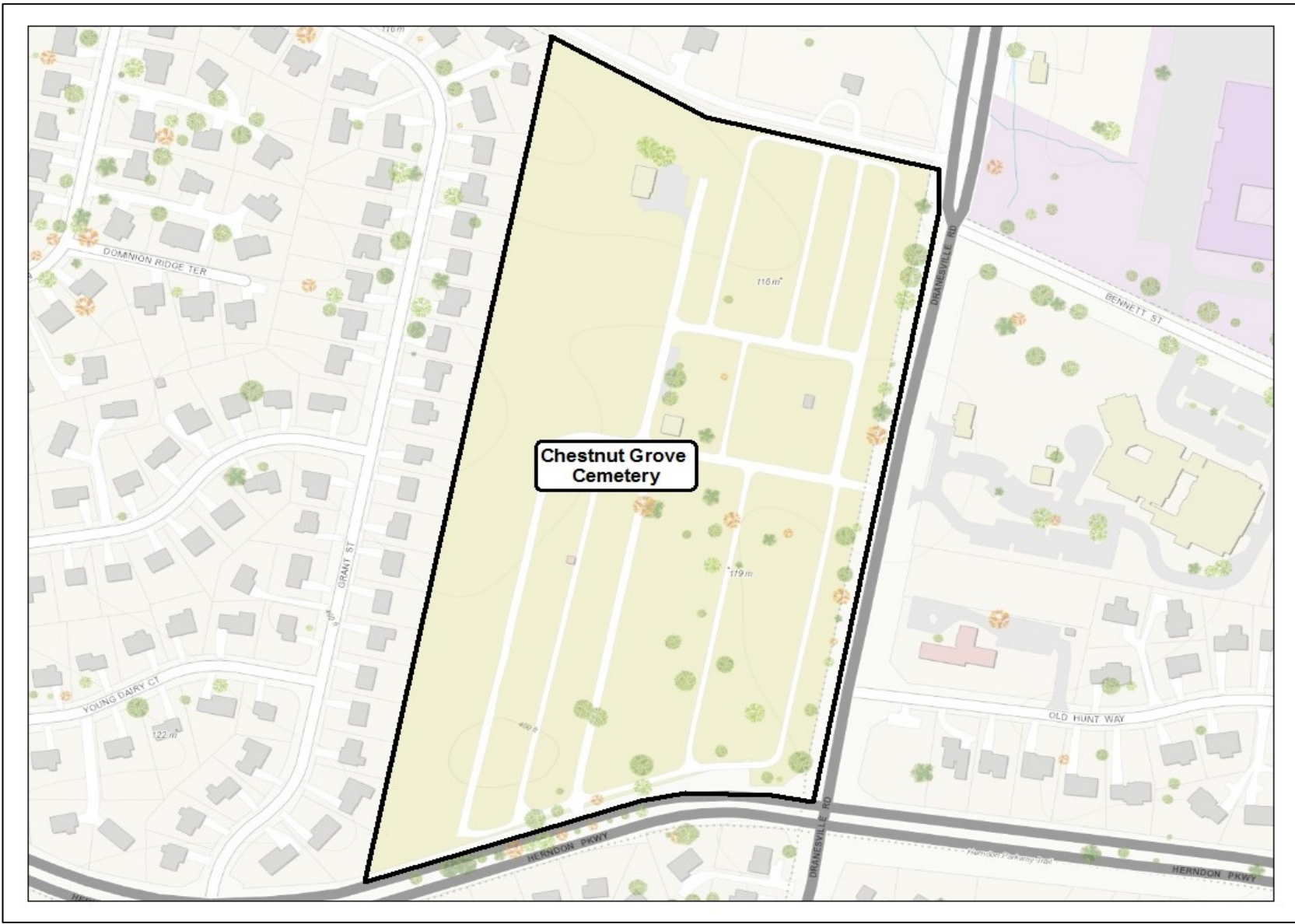
Project Class: Cemetery

Department: Park and Recreation

Project Description: This project provides for the development of approximately 3,000 burial sites. The funding is intended for the design, engineering and construction of this area. The site has to be cleared of trees, stumps and other vegetation. In addition, there will be approximately 272 feet of 18" diameter storm drain to be installed prior to importing clean fill to bring the area up to the grade specified in the site plan. A street with a cul de sac will be constructed and water lines will be installed according to the plans. The site will be landscaped to be compatible with the present landscape and the overall usage of the area yet to be determined. The area has to be surveyed, mapped and burial lots marked off with site pins and numbered posts. To support the maintenance and upkeep of this area, a full-time position will be added and additional lawn maintenance equipment (such as mowers) and supplies purchased.

Adopted Goals and Objectives:

1. Chestnut Grove Cemetery Master Plan



amounts indicated = dollars in thousands

Fiscal Year									
ESTIMATED COST:	Estimated Reserves	2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.			TBD		TBD				0
Construction and related services			TBD			TBD			0
Equipment/Furniture									0
TOTAL			TBD		TBD	TBD			0
FINANCING SOURCES:									
General Fund					TBD				0
G.O. Bonds			TBD			TBD			0
Intergovernmental Aid									0
Other									0
Proffers									0
TOTAL			TBD		TBD	TBD			0
GENERAL FUND OPERATING IMPACT:									
Capital Costs			TBD						
Debt Service			TBD		TBD	TBD			TBD
Personnel/Operations			TBD		TBD	TBD			TBD
TOTAL			TBD		TBD	TBD			TBD

V. PROJECTS SCHEDULED AFTER FY2023

